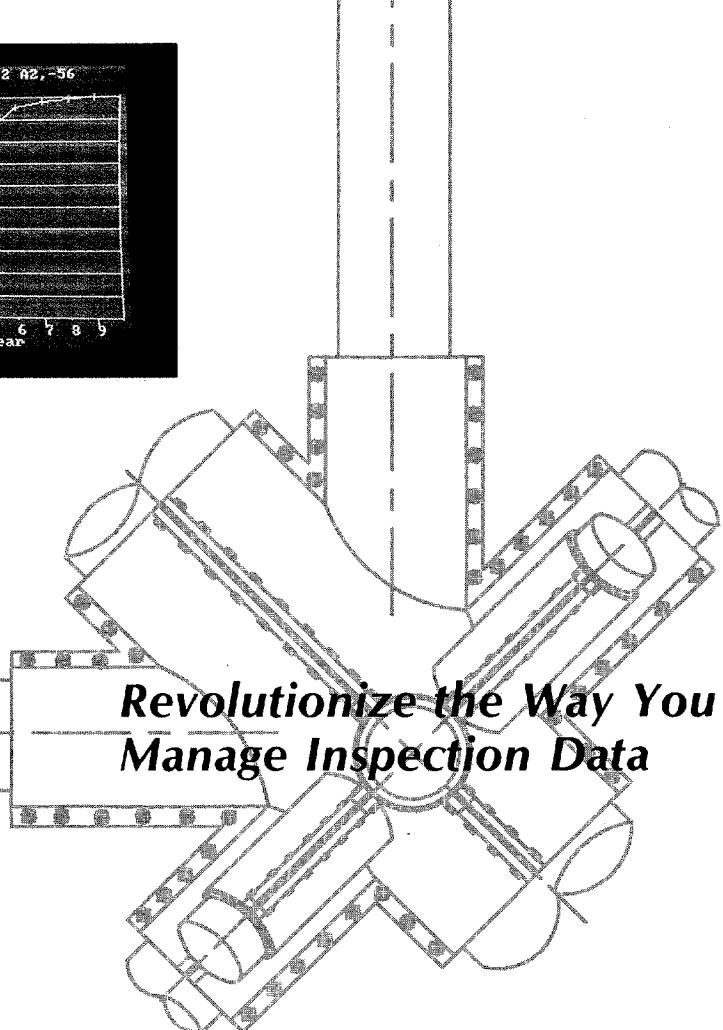
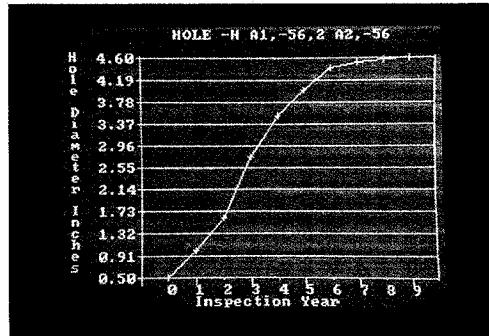
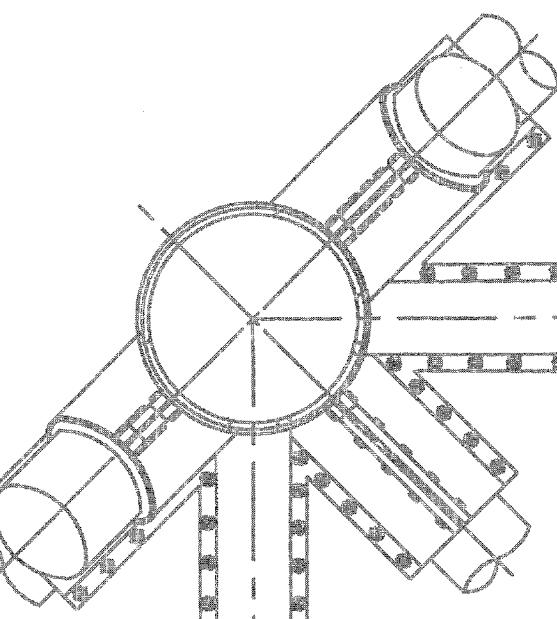


# CAIRS

## Computer Aided Inspection Reporting System



MINERALS MANAGEMENT SERVICE

CAIRS PIPELINE SYSTEM

DRAFT SPECIFICATION: Rev. 1.00

OCEANEERING

# Computer Aided Inspection Reporting System

## CAIRS Saves You Time and Money By Improving the Efficiency of Inspection Data Management

The large volume of information gathered during most inspections takes a significant amount of time to collect and record before it's available for analysis. Through the use of CAIRS, inspection managers now have a responsive, highly efficient method to receive data promptly, analyze it quickly, and plan upcoming inspection, maintenance, repair schedules and budgets.

CAIRS — a computer-aided method of managing inspection data — will revolutionize the way you spend time and money to inspect, repair, maintain and keep records of your facilities and equipment, offshore and onshore.

### Easy to Use

CAIRS is easy to use — a user-friendly, menu-driven software package that requires minimal training and little computer knowledge thus increasing the availability of data to those who need it.

### Based on Proven Technology

CAIRS has been designed for use on IBM PC or compatible hardware which is easily upgraded yet inexpensive, reliable and internationally serviceable. Operate it from your desk top or transport it to a remote location for on-site analysis.

### Highly Flexible & Customized

CAIRS can evolve to meet changing needs. CAIRS is modular and expandable in nature, and is designed to be tailored to your individual requirements, facilities, identification codes and reporting methods. As your needs change, additional modules are easily integrated into existing systems.

### Standardized Inspection Formats

CAIRS provides a standardized format designed to meet your data collection and reporting requirements — historically a problem when different contractors perform inspections from year to year using different reporting formats. Standardized pre-defined formats mean optimized data recording and entry — and help you avoid expensive reinspection by directing contractors to gather all the data you require throughout the maintenance and repair cycle.

### On-Site Analysis

CAIRS is capable of providing immediate on-site data analysis. Preview your findings during an inspection to identify critical areas, determine the scope of repair operations, or decide

whether additional data is required while the inspection team is on hand.

### Data Validation

CAIRS on-line data validation feature monitors data entry for the omission of required data or for the entry of any anomalous information that falls outside acceptable parameters. Such problems can be presented to the operator for immediate rechecking, or the system can prompt for further information to be recorded at that location.

### Decreased Report Generation Time

CAIRS significantly reduces the time and effort required for report-writing. In a recent case, a client received completed inspection reports on 118 structures just 41 days after demobilization. Reports delivered promptly give you more time to analyze data and plan your remedial programs and budgets.

### Analysis, Forecasting and Planning

CAIRS provides you with the ability to search, analyze and present a large volume of information statistically and graphically, highlighting user defined anomalies and damage, as well as aging trends in equipment and facilities. These capabilities can be used to anticipate long-term repair needs, take preventive maintenance steps where possible, and target future inspections to collect data in specific areas of interest.

### More Competitive Bids

CAIRS gives you rapid access to comprehensive data records giving you the basis of complete bid documents for extended remedial work and future inspection programs, saving you time on bid request preparation and resulting in accurate, competitive bids.

### Reduced Storage Requirements

CAIRS creates a permanent record of large quantities of inspection data on computer disks or tapes, significantly reducing the storage space requirements while greatly increasing your accessibility to the stored information.



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**MINERALS MANAGEMENT SERVICE**  
**CAIRS PIPELINE SYSTEM**  
**SPECIFICATION Rev: 1.0**

## **1.0 SUMMARY**

### **1.1 Introduction**

This document was prepared on behalf of the MINERALS MANAGEMENT SERVICE to provide a specification for a Computer Aided Inspection and Reporting System (CAIRS) for petrochemical transporting PIPELINES.

The purpose of this specification is to provide an agreed description of a COMPUTER system that would satisfy the requirements of the MINERALS MANAGEMENT SERVICE.

The level of detail contained within this document should be sufficient for the MMS to evaluate the basic system design and should provide a clear outline of the capability and data storage features of the pipeline system.

### **1.2 Scope**

The MMS are evaluating the possibility of applying Risk Analysis to petrochemical transporting pipelines. The eventual aim is to provide a centralized store of statistically useful knowledge to facilitate the prediction of service life of the pipelines. The eventual aim being to reduce accidents, and prevent pollution.

The Pipeline system as described in this document will conform to the following philosophy:

- 1.2.1 The system will be constructed in a modular fashion to allow the inclusion of further data categories as required.
- 1.2.2 The ability to store, for each pipeline or pipeline segment, such baseline and inspection data that statistical evaluation of the pipeline's safety performance (via a Risk Management module) life may be attempted.
- 1.2.3 The system will incorporate a Risk Management Module, designed to store data on the various factors affecting the relative risk of operating a pipeline.
- 1.2.4 The system will be designed to allow easy exchange of inspection data between machines at differing locations. This will be achieved by an import/export (backup/restore) capability.

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## **2.0 BASIC SYSTEM PHILOSOPHY**

### **2.1 Host Operating System & DBMS**

MMS PIPELINE CAIRS will be written using a dBASE compatible database management system (DBMS), FoxPRO.

The system will be designed for use in either a single or networked multi-user environment. The multi-user feature would allow the MMS to set up a centralized CAIRS pipeline database accessible from anywhere in the country or the world using a dial up modem link.

As the MMS wishes to operate this CAIRS systems on a SUN Workstation under the UNIX operating system, Solus Schall will switch to a UNIX-FoxPRO development environment on an IBM PC when available (Summer 1992). In the event that the UNIX version of FoxPRO is not or does not become available then the system should be usable running under a MSDOS emulator on the workstation. (Consult your OS for details).

### **2.2 System Functionality**

Each module of the MMS CAIRS pipeline system will operate in a similar manner. This will enable the easy integration of new modules and will reduce the amount of time required to train users. The system will be user-friendly with prompts and guiding information displayed on screen wherever possible.

Major data entry items will be checked against stored validation data libraries which will also be available for easy input via a pop-up pick list.

The basic system philosophy will be to store all inspection data in a format suitable for statistical analysis and should allow the easy export of queried data to external databases using the industry standard Structured Query Language (SQL) via an optional FoxPRO package..

The CAIRS system will have the following major functions.

#### **2.2.1 Data Entry & Retrieval**

This option will allow users with valid privileges to record, retrieve and query information in the database via a series of data entry forms or screens. The format of these screens will basically follow that used for the data collection sheets to be provided with the system, (within the limitations of the computer terminal display). The system will utilize a series of validation data tables (libraries) to ensure the integrity of the data. These tables will be available as "pick lists" to enable rapid, accurate data entry.

While the user is in a data entry form, the following options will be available as a minimum.

### **2.2.2 Data Reporting**

This option will allow the user access to information in a pre-determined format. Some of the possible options available will be:-

- Formal: This option will allow the user to print a formal report. The format will follow as closely as possible that of the data collection forms. A report may be selected for a part or full inspection. If a search expression is in force at the time (see SEARCH & SORT) only selected records will be reported.
- User Defined: Using this option the user will be able to select which data items he wishes to appear on a custom designed report. The reporting system will allow the user to direct the report to the screen, the printer or spool to a disk file (ASCII format).
- Via RQBE: This option which will only be available on systems utilizing the 'FULL' development version of FoxPRO 2, will allow ad-hoc queries spanning differing data tables to be directed to either the screen, a database, graphics package or statistics module. It will be a very flexible data retrieval device not hindered by the limitations imposed by the structure of the CAIRS system. This simple to use interface does however require some understanding of principles of SQL in order to retrieve data correctly.

### **2.2.3 Statistical Analysis**

The system will be designed to allow the pipeline data to be processed by a statistical module. The basic principle will be to allow data to be queried and then displayed using common statistical evaluations. (eg. Standard Deviation, Mean, etc.) At the time of writing it has not been decided if the routine will be written in-house or to sub-license one of the many packages readily available.

### **3.0 SYSTEM MANAGEMENT**

#### **3.1 Security**

Entry to the system will be restricted to those individuals with a valid user identity and password. Associated with the user ID will be a table of privilege ratings which will determine the level of access afforded to any given user. Access to this particular database table should only be given to the database administrator. The default identities and passwords are definable by the system administrator.

Note: dBASE based computer systems by their very nature, are NOT considered secure systems. The security system incorporated here, prevents unauthorized use of CAIRS it does NOT protect the data.

There will be five major levels of privilege allowed on the CAIRS database system. In order of privilege, these are :

- 1) Administrator      A user with the ability to carry out management functions within the system. This User will be responsible for allocating other User privileges, updating validation tables, backing up of the CAIRS data, etc.
- 2) Supervisor      A user with all the privileges of the Administrator except for functions involving the Library system.
- 3) User      The ability to add and edit data but not use the global delete features.
- 4) Browser      The ability to view the data without being able to modify existing or add new data.

#### **3.2 Auditing**

Basic System auditing information will be stored in the database and will be accessible to the Database Administrator (DBA). The USER and date of entry of any record together with the last modification date and USER who modified the record will be available.

#### **3.3 Data Integrity**

As with any database it will be essential to ensure that the data held on the system is backed up. The frequency with which the system is backed up will depend on the frequency with which the data is changed or updated and the value placed on that data. This will therefore be an operational management function. We strongly suggest the use of a mass storage device such as a tape drive to ensure data integrity. We have however incorporated into CAIRS as a means of data transfer & backup/restore the following functions:

<i>Backup</i>	This will provide the ability to back up data from the inspection database. Data selection for back up would be on an all or user selected single or multiple inspection basis.
<i>Restore</i>	This will enable the user to restore data to the system from previously created back ups. This facility in conjunction with the BACKUP function can be used to move data between non-networked machines. (Typically an offshore data collection computer)
<i>Delete</i>	This function will allow the deletion of data from the database. Again data will be deleted on a pipeline or inspection basis. This differs from the delete option in data retrieval in that in the data retrieval case records are deleted one at a time. Here all records associated with a pipeline or inspection, in all categories, will be deleted with one command. This function will only be available to users with the CAIRS administrator privilege.

### 3.4 Validation Table Management.

Associated with the main CAIRS data tables will be a series of validation tables (library table source for the various pick lists) containing the data, that will ensure all personnel follow a standardized data entry format for certain defined fields. These data tables will be accessible via a series of menu driven screens. It will be the system administrators responsibility to ensure that the data in these tables is current and valid. In order to preserve a standardized system, the data in these tables will be "read only" (i.e. cannot be deleted) and access should not be granted to the general user community.

Several forms of validation will be included in the system and includes:

- 1) Validation of numeric fields for sense i.e. apply typographical limits e.g. *C.P. < 0 & > -1500*
- 2) Validation of numeric data for Specification Conformance e.g. *C.P. < - 850* (MMS minimum allowed reading for Ag/AgCl cell's)
- 3) Validation of text data to conform to set option e.g. *YES or NO*
- 4) Validation of text data to conform to a user-defined validation list of possible options. e.g. *a list of inspection procedures, Status Choices etc.*
- 5) Validation of any form of data to relate to other parts of the system e.g. cross-reference inspection data against a pipeline or Inspection event e.g. *any result should relate to a pre-specified pipeline and/or inspection event.*

## **4.0 PIPELINE SYSTEM MODULES**

### **4.1 Data Objects**

Data objects are the 'pieces' of information that are stored in the pipeline system. This system design separates the pipeline data into four distinct groups, Physical Objects, Inspection data, Navigation Data and Libraries.

#### **4.1.1 Components**

Components represent all items that are inspected and/or referenced on the system. (eg. Anodes, Pipes, Welds, etc.)

There is a two tier method of definition. The first tier relates to the pipeline itself and thus would be called the PIPELINE MASTER RECORDS this contains all the baseline data from the pipeline and includes the Risk Evaluation module.

The second tier would correspond to uniquely identifiable features within the pipeline. This will specifically relate to the following :

Pipeline Crossings  
Inspected Items  
Span Data  
Supporting Structures  
Anodes

All features will be given a unique identification. This would then represent an inventory of features on a given pipeline. This will therefore provide for easy comparison of these features from inspection to inspection.

The descriptive data that is recorded against each feature will remain fixed from inspection to inspection. All other data, including footpost will be inspection specific and as such will be recorded under INSPECTION (See below).

Each COMPONENT in this inventory would also be able to be identified by footpost. As a footpost relates a physical object to absolute position and may change, it will be necessary to cater for the changing of this relationship from inspection to inspection. Indeed, the logging of footpost measurements to physical object can be regarded as a form of inspection on which validation criteria can be applied. This would take the form of tolerance limits based on footpost variation from the previous inspection.

Within a given inspection it will still be possible to regard a footpost marker as a unique physical identifier.

To minimize data entry and to accommodate entry from remote devices, the system will associate by default each item with the footpost marker from the previous inspection. The only data entry

that would be required would be if the footpost was changed from the previous inspection.

Another point to note is that this inventory of features is dynamic in that it will be possible to add more as and when it is deemed necessary. This means that :

Only features that have been or potentially will be inspected need be identified.

It is possible to add new features as and when they are added or identified.

With the exception of CROSSINGS, each category will be associated with a single footpost. CROSSINGS will be identified by a footpost range (from/to). Thus, for a given inspection it will be possible to associate features and inspection results to a given CROSSING by comparing the footpost with the footpost range associated with the CROSSING.

#### **4.1.2 Inspection**

Similar to COMPONENTS, inspection data is defined using "multi-tier" methodology. The first or primary tier relates to Master Inspection information (Inspection Records) which contain the overall work scope.

The secondary tier relates to the inspection situations. These situations correspond to inspection events that relate specifically to the features identified in 4.1.1) Components i.e PIPELINE CROSSINGS, INSPECTED ITEMS, SPAN DATA, SUPPORTING STRUCTURES and ANODES.

Since these features will have been pre-defined, entry of inspection data will be carried out by identifying an entry from a list of pre-defined features. Only data relating to the inspections need be input by the user.

The tertiary tier relates to inspection techniques or the reporting of a specific condition. These include the following :

COATING DAMAGE  
PHYSICAL DAMAGE  
PIPELINE EXPOSURE  
DEBRIS  
C.P. SURVEY  
STAB READINGS  
PHOTO  
VIDEO  
GENERAL

Any of the above can be called from a secondary tier. For example it will be possible to report PHYSICAL DAMAGE or a C.P. reading from a SUPPORTING STRUCTURE inspection.

In addition any of the above categories can be called as a category of inspection in isolation (e.g. C.P. SURVEY).

In the cases of isolated entry of COATING DAMAGE, PHYSICAL DAMAGE, PIPELINE EXPOSURE or DEBRIS, it will be possible to assign C.P., STAB, PHOTO, VIDEO or GENERAL COMMENT inspection results against each.

The criteria for acceptance of C.P., STAB and GENERAL COMMENTS will differ from PHOTO and VIDEO logs. C.P. for example can be entered in isolation or from other inspections. The only validation necessary is to check that there is no other reading for that specific footpost. If one exists then a fresh result cannot be entered. Conversely, it will only be possible to enter new video or photographic log entries to the isolated logging utility. Specifying a video or photo log entry from an inspection category will therefore allow the user to assign a pre-defined log entry to a particular inspection. Multiple assignments of this nature are possible for a single photo or video reference.

#### 4.1.3 Navigation Data

Footpost - UTM/DEPTH readings are entered onto the system and the system should work out the most likely Northing and Easting for a given footpost related by extrapolating data from these known datums.

This facility will be available the Data Manipulation menu and will work out the UTM COORDINATES that relate to the currently highlighted record.

#### 4.1.4 Libraries

These are a series of reference or look up tables that contain data that is not related to Physical Objects or Specific Inspection Events. It can therefore be regarded as information that remains static from year to year. It includes such data as Inspection Procedures, Defect ratings, Defect types, etc.

By cross-referencing this data to all other information, it will be possible to interrogate the database as a whole by these categories. It will also be possible for a privileged user to add to these tables.

**5.0 Documentation**

**5.1 User Manual**

This system will be designed with an on-line manual. A hard copy version will provide detailed operating instructions for the typical system user. It will be sufficient to allow a first time user with minimal computer experience to perform all common system functions. The content and operation of all system modules will be explained.

**5.2 Manual of Data Collection Procedures (Optional Extra)**

An OPTIONAL set of detailed procedures for the guidance of inspection personnel collecting data to be used in the MMS CAIRS system. CAIRS terminology and collection formats will be described along with useful hints gained from SOLUS SCHALL's experience of offshore data collection.

## **6.0 Hardware and Software Requirements**

### **6.1 Hardware**

This system will be designed to run on an IBM compatible 80386 based personal computer. The system can be operated on 80286 and below if required. It is not however recommended.

### **6.2 Host Software**

This CAIRS system will be driven by the FoxPro DBMS in the MSDOS (PCDOS) environment, version 3.0 or later. (Due to an inherent bug, version 3.2 of MSDOS is NOT recommended in a multi-user environment).

### **6.3 Warranty & Maintenance Agreements**

The CAIRS software will be covered by a limited Warranty for a period of one year from delivery of the system. During this period SOLUS SCHALL will provide telephone and system support free of charge and will respond to any problem in a timely manner. Telephone support will be available during normal working days (8-5 Mon to Fri).

After the one year period SOLUS SCHALL strongly recommend that you purchase the CAIRS yearly maintenance agreement. This will ensure that your CAIRS system receives the best support possible.

Telephone support is NOT dependant on the purchase of the maintenance agreement and will be provided for the life of the system.

### **6.4 System Firmware: Deliverable to MMS**

The development of the MMS CAIRS Pipeline Inspection System as described in this functional specification and using the FoxPro DBMS will consist of the following deliverables:

- |        |   |
|--------|---|
| CAIRS  | - System software                                 |
| FoxPRO | - Protected & Real Mode RUNTIME Modules for MSDOS |
| FoxPRO | - RUNTIME Modules for UNIX (If available)         |
| CAIRS  | - User manual.                                    |

### **6.5 Software Transfer Media**

The CAIRS system including source code will be supplied on High density 3½" floppy diskettes in the MSDOS format and will be provided with a self installing system for an IBM PC.

## **7.0 Future Developments**

The structure of the CAIRS system will be designed to assure that the addition of future modules will require a minimum of development time and will be compatible with prior data. Solus Schall is constantly researching client's and governmental requirements and will continue to offer modifications and additional CAIRS modules. The following details a few possible additions to the CAIRS system:

### **7.1 AutoCAD Interface**

The system will be designed to allow the addition of an AutoCAD interface to one or more of the CAIRS modules at a later date.

### **7.2 Graphics Interface**

FoxPro via Foxgraph, supports a graphical interface able to display data in various graphical formats (i.e. pie & bar charts, statistics, etc.). A CAIRS graphical interface could be added to display inspection data and trends graphically.

### **7.3 Trend Analysis & Inspection Planning**

One of the major advantages of an relational database is the ease of manipulation of the raw data. Trend analysis on historical data can identify problem areas and concentrate inspection resources in those areas, thereby simplifying planning and reducing inspection costs. The system will be designed to integrate both TREND ANALYSIS and INSPECTION PLANNING modules.

### **7.4 Direct Data Acquisition**

Direct entry of data from field acquisition instruments should be considered for the future. Solus has experience with this type of procedure from previous applications and it has been shown to reduce time to undertake certain inspections and reduces the entry of extraneous data considerably.

DATABASE TABLES		
SYSTEM	- PIPELINE SUBSEA	
FILE NAME	DESCRIPTION	TYPE
ANOD_I	ANODE INSPECTION	System File
ANOD_O	ANODE COMPONENTS	System File
CDAM_I	COATING INSPECTION	System File
CDAM_O	AREAS OF COATING DAMAGE	System File
COMM_I	GENERAL INSPECTION COMMENTS	System File
CPCALIB	CP CALIBRATION RECORD	System File
CPSU_I	CP READINGS	System File
CROS_I	CROSSING INSPECTION RESULTS	System File
CROS_O	CROSSINGS	System File
DEBR_I	DEBRIS SURVEY	System File
DEBR_O	RECORDED DEBRIS	System File
EXPO_I	EXPOSURE READINGS	System File
ITEM_I	ITEMS INSPECTION RESULTS	System File
ITEM_O	INSPECTABLE ITEMS	System File
MAST_O	MASTER LIST OF COMPONENTS	System File
PDAM_I	DAMAGE INSPECTION	System File
PDAM_O	AREAS OF PHYSICAL DAMAGE	System File
PDESCRIP	PIPELINE DESCRIPTIONS	System File
PHOT_I	PHOTOGRAPHIC LOG	System File
SPAN_I	SPAN INSPECTION	System File
SPAN_O	RECORDED SPANS	System File
STAB_I	STAB READINGS	System File
SUPP_I	SUPPORT INSPECTION	System File
SUPP_O	SUPPORTS	System File
VIDE_I	VIDEO LOG	System File
WORKPIPE	PIPELINE INSPECTION LOG	System File
WORKPLST	INSPECTION PIPELINE RECORD	System File
VERSION :	Alpha test: 0.0.1 - (920618)	
DATE :	07/01/92	

DATABASE TABLES		
SYSTEM	- LIBRARY	
FILE NAME	DESCRIPTION	TYPE
ANOD_MAT	ANODE MATERIAL TYPES	Library File
CBEDTYPE	SEABED TYPE	Library File
CDAMGRAD	COATING DAMAGE GRADE	Library File
CONTRACT	CONTRACTORS	Library File
CORR_CTG	CORROSION COATING TYPE	Library File
DEF_POS	DEFECT POSITION/CATEGORY	Library File
DIVETYP	TYPE OF DIVING OPERATIONS	Library File
EQ_TYPE	EQUIPMENT USED	Library File
INSPCAT	GENERIC INSPECTION CATEGORY	Library File
INSPTYPE	CODED INSPECTION TYPE	Library File
ITEMDSC	ITEM DESCRIPTION	Library File
MGTTYPE	MARINE GROWTH TYPE	Library File
OILFIELD	OILFIELD IDENTIFICATION	Library File
PDAMCAT	PHYSICAL DAMAGE CATEGORY	Library File
SOILTYPE	SEABED SOIL TYPES	Library File
VESS_ID	SURVEY VESSELS	Library File
WTYPE	TYPE OF WORK DONE	Library File

VERSION : Alpha test: 0.0.1 - (920618)

DATE : 07/01/92

DATA DICTIONARY						
FIELD NAME	DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT	
T	L	D				
INSPNO	Inspection Code - format mnn/yy	C 6 0	YES	INSPNO	EXISTS WITHIN WORKPIPE DATABASE	
FP	Reference Footpost (of matching object)	N 6 3	NO	FP	MUST EXIST OR BE CREATED IN RELATED FILE	
OUTPUT	Calculated Output (mA)	N 5 0	NO	OUTPT		
REMLIFE	Remaining Life (Years 99 if greater than 99)	N 2 0	NO	LF		
ANDEP	Anode Depletion Grade (1-4)	N 1 0	NO	G		
ID_REL	Related Feature / Inspectable Object	C 6 0	NO	ID_REL	IS ANODE OPERATING ? - ERROR REPORT 127 - NEW	
OPERATING	Y,N	C 1 0	NO	ID_REL		
IDENT	Pipeline Identity	C 14 0	YES	IDENT	EXISTS WITHIN PDESCRIP DATABASE	
ID_NO	Reference Number (of matching object)	C 6 0	YES	ID_NO	MUST EXIST OR BE CREATED IN RELATED FILE	
CP	Nearest CP Reading (mV)	N 5 0	NO	CP		
OBS_FP	Observed Footpost	N 6 3	YES	OBS_FP		
COMMENT	Comments within Variable Length "Memo" field	M 10 0	NO	COMMENT	WAS FIXED LENGTH CHARACTER OF LENGTH = 60	
MOD_DATE	Date Record was created	D 8 0	NO	MOD_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
MOD_USER	Id of User who last modified record	C 8 0	NO	MOD_USER	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_DATE	Date Record was created	D 8 0	NO	CR_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_USER	Id of User who last created record	C 8 0	NO	CR_USER	UPDATED TO MAINTAIN AUDIT TRAIL	

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

DATA DICTIONARY								
FIELD NAME	DESCRIPTION	FORMAT	T	L	D	KEY? Y/N	REPORT TITLE	COMMENT
FP	Reference Footpost	N	6	3	NO	FP		
ID_REL	Related Feature / Inspectable Object	C	6	0	NO	ID_REL		
ANTYPE	Type of Anode (ORIGINAL or RETROFIT)	C	10	0	NO	ANTYPE		
IDENT	Pipeline Identity	C	14	0	YES	IDENT	EXISTS WITHIN PDESCRIP DATABASE	
ID_NO	Reference Number of object	C	6	0	YES	ID_NO	UNIQUE WITHIN MAST_0 & ANOD_0	
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER	UPDATED TO MAINTAIN AUDIT TRAIL	

FILE NAME : ANOD\_0  
 SYSTEM : PIPELINE SUBSEA  
 TYPE : SYSTEM FILE  
 DESCRIPTION : ANODE COMPONENTS

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY							
FILE NAME	CDAM I						
SYSTEM	- PIPELINE SUBSEA						
TYPE	- SYSTEM FILE						
DESCRIPTION	- COATING INSPECTION						
FIELD NAME	DESCRIPTION	FORMAT	T L	D	KEY? Y/N	REPORT TITLE	COMMENT
INSPNO	Inspection Code - format nnn/yy	C	6	0	YES	INSPNO	EXISTS WITHIN WORKPIPE DATABASE
FP	Reference Footpost (of matching object)	N	6	3	NO	FP	MUST EXIST OR BE CREATED IN RELATED FILE
LGTH	Length of Coating Damage (ft)	N	3	0	NO	LEN	
ID_REL	Related Feature / Inspectable Object changed	C	6	0	NO	ID_REL	
IDENT	Pipeline Identity	C	14	0	YES	IDENT	EXISTS WITHIN PDESкрипT DATABASE
ID_NO	Reference Number (of matching object)	C	6	0	YES	ID_NO	MUST EXIST OR BE CREATED IN RELATED FILE
CP	Nearest CP Reading (mV)	N	5	0	NO	CP	
OBS_FP	Observed Footpost	N	6	3	YES	OBS_FP	
COMMENT	Comments within Variable Length "Memo" field	M	10	0	NO	COMMENT	WAS FIXED LENGTH CHARACTER OF LENGTH = 60
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE	UPDATED TO MAINTAIN AUDIT TRAIL
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER	UPDATED TO MAINTAIN AUDIT TRAIL
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE	UPDATED TO MAINTAIN AUDIT TRAIL
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER	UPDATED TO MAINTAIN AUDIT TRAIL

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY						
FILE NAME	CDAM_0	DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT
T	L	D				
FP	Reference Footpost	N	6	3	NO	FP
GRADE	Grade of Damage (formally MAJOR or MINOR) COATING	C	5	0	NO	GRADE
ID_REL	Related Feature / Inspectable Object	C	6	0	NO	ID_REL
IDENT	Pipeline Identity	C	14	0	YES	IDENT
ID_NO	Reference Number of object	C	6	0	YES	ID_NO
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER

FILE NAME = CDAM\_0  
 SYSTEM = PIPELINE SUBSEA  
 TYPE = SYSTEM FILE  
 DESCRIPTION = AREAS OF COATING DAMAGE

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

DATA DICTIONARY						
FILE NAME SYSTEM TYPE DESCRIPTION	COMM_I PIPELINE SUBSEA SYSTEM FILE GENERAL INSPECTION COMMENTS	DESCRIPTION	FORMAT T L	KEY? D Y/N	REPORT TITLE	COMMENT
INSPNO	Inspection Code - format nnn/yy	C 6 0	YES	INSPNO	EXISTS WITHIN WORKPIPE DATABASE	
FP	Observed Footpost	N 6 3	YES	FP		
ID_REL	Related Feature / Object	C 6 0	NO	ID_REL		
SUBJECT	Category of Subject (if applicable)	C 8 0	NO	SUBJECT		
CONT_REF	Continuation Number for Comments	N 2 0	NO	NO	NOT REQUIRED - KEPT TO BE CONSTANT WITH OLD DATA	
IDENT	Pipeline Identity	C 14 0	YES	IDENT	EXISTS WITHIN PDESCRIP DATABASE	
COMMENT	Comments within Variable Length "Memo" field	M 10 0	NO	COMMENT	WAS FIXED LENGTH CHARACTER OF LENGTH = 70	
MOD_DATE	Date Record was created	D 8 0	NO	MOD_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
MOD_USER	Id of User who last modified record	C 8 0	NO	MOD_USER	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_DATE	Date Record was created	D 8 0	NO	CR_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_USER	Id of User who last created record	C 8 0	NO	CR_USER	UPDATED TO MAINTAIN AUDIT TRAIL	

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY						
FILE NAME	CPOCALIB	DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT
T	L	D				
INSPNO	Inspection Code - format mnn/yy	C	6	0	YES	INSPNO
CALIB_NO	Calibration number	N	2	0	YES	CALIB_NO
PROBE	CP Probe Type Used	C	20	0	NO	PROBE
PROBE_SN	CP Probe Serial Number	C	14	0	NO	PROBE_SN
ADV_500	Pre-Dive -500mV Check	N	5	0	NO	ADV_500
PDV_500	Post-Dive -500mV Check	N	5	0	NO	PDV_500
ADV_600	Pre-Dive -600mV Check	N	5	0	NO	ADV_600
PDV_600	Post-Dive -600mV Check	N	5	0	NO	PDV_600
ADV_700	Pre-Dive -700mV Check	N	5	0	NO	ADV_700
PDV_700	Post-Dive -700mV Check	N	5	0	NO	PDV_700
ADV_800	Pre-Dive -800mV Check	N	5	0	NO	ADV_800
PDV_800	Post-Dive -800mV Check	N	5	0	NO	PDV_800
ADV_900	Pre-Dive -900mV Check	N	5	0	NO	ADV_900
PDV_900	Post-Dive -900mV Check	N	5	0	NO	PDV_900
ADV1000	Pre-Dive -1000mV Check	N	6	0	NO	ADV1000
PDV1000	Post-Dive -1000mV Check	N	6	0	NO	PDV1000
IDVZINC	In-Dive Zinc -1040mV Check	N	6	0	NO	IDVZINC
ADV_ACC	Y,N	C	1	0	NO	ADV_ACC
						Acceptable Pre-Drive (YES or NO)

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY						
FILE NAME	CPCALIB	DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT
SYSTEM	- PIPELINE SUBSEA		T L D			
TYPE	- SYSTEM FILE					
DESCRIPTION	- CP CALIBRATION RECORD					
FIELD NAME	DESCRIPTION					
IDV_ACC	Y,N		C 1 0	NO	IDV_ACC	Acceptable In-Drive (YES or NO)
PDV_ACC	Y,N		C 1 0	NO	PDV_ACC	Acceptable Post-Drive (YES or NO)
IDENT	Pipeline Identity		C 14 0	YES	IDENT	EXISTS WITHIN PDESCRIP DATABASE
COMMENT	Comments within Variable Length "Memo" field	M	10 0	NO	COMMENT	WAS FIXED LENGTH CHARACTER OF LENGTH = 50
MOD_DATE	Date Record was created	D	8 0	NO	MOD_DATE	UPDATED TO MAINTAIN AUDIT TRAIL
MOD_USER	Id of User who last modified record	C	8 0	NO	MOD_USER	UPDATED TO MAINTAIN AUDIT TRAIL
CR_DATE	Date Record was created	D	8 0	NO	CR_DATE	UPDATED TO MAINTAIN AUDIT TRAIL
CR_USER	Id of User who last created record	C	8 0	NO	CR_USER	UPDATED TO MAINTAIN AUDIT TRAIL

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

DATA DICTIONARY								
FIELD NAME	DESCRIPTION	FORMAT	T	L	D	KEY? Y/N	REPORT TITLE	COMMENT
INSPNO	Inspection Code - format mnn/yy	C	6	0	YES	INSPNO		EXISTS WITHIN WORKPIPE DATABASE
FP	Observed Footpost	N	6	3	YES	FP		
CP	CP Reading at this Footpost (mV)	N	5	0	NO	CP		
IDENT	Pipeline Identity	C	14	0	YES	IDENT		EXISTS WITHIN PDESCRIP DATABASE
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE		UPDATED TO MAINTAIN AUDIT TRAIL
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER		UPDATED TO MAINTAIN AUDIT TRAIL
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE		UPDATED TO MAINTAIN AUDIT TRAIL
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER		UPDATED TO MAINTAIN AUDIT TRAIL

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

DATA DICTIONARY								
FIELD NAME	DESCRIPTION	FORMAT	T	L	D	KEY? Y/N	REPORT TITLE	COMMENT
INSPNO	Inspection Code - format mn/yy	C	6	0	YES	INSPNO		EXISTS WITHIN WORKPIPE DATABASE
FP	Reference Footpost (of matching object)	N	6	3	NO	FP		MUST EXIST OR BE CREATED IN RELATED FILE
CDIST	Separation Distance (in)	N	2	0	NO	CDIST		
ELECT_INT	Y,N	C	1	0	NO	CP		IS THERE ELECTRICAL INTERFERENCE ? - ERROR 123
IDENT	Pipeline Identity	C	14	0	YES	IDENT		EXISTS WITHIN PIPESCRIP DATABASE
ID_NO	Reference Number (of matching object)	C	6	0	YES	ID_NO		MUST EXIST OR BE CREATED IN RELATED FILE
CP	Nearest CP Reading (mV)	N	5	0	NO	CP		
OBS_FP	Observed Footpost	N	6	3	YES	OBS_FP		
COMMENT	Comments within Variable Length "Memo" field	M	10	0	NO	COMMENT		WAS FIXED LENGTH CHARACTER OF LENGTH = 60
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE		UPDATED TO MAINTAIN AUDIT TRAIL
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER		UPDATED TO MAINTAIN AUDIT TRAIL
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE		UPDATED TO MAINTAIN AUDIT TRAIL
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER		UPDATED TO MAINTAIN AUDIT TRAIL

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY						
FIELD NAME	DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT	
T	L	D				
FP	Reference Footpost	N	6	3	NO	FP
CTYPE	OVER, UNDER	C	5	0	NO	CTYPE OVER or UNDER crossing pipeline
CR_SUPP	Number of Supports for Crossing	N	2	0	NO	SUP
CBEDTYPE	Seabed Type	C	5	0	NO	CBEDTYPE NEW VALIDATION
COTHER	Identity of crossing pipeline	C	14	0	NO	COTHER EXIST IN PDESCRIP AND NOT THE CURRENT PIPELINE
OTH_ID_NO	Ref Number of Crossing on other line	C	6	0	NO	OTH_ID XCHECK CROS_0 FOR ID_NO OF OTHER LINE
OTH_FP	Ref FP of Crossing on Other Line	N	6	3	NO	OTH FP XCHECK CROS_0 FOR FP OF OTHER LINE
CANGLE	Clockwise Angle formed with Crossing Line	N	3	0	NO	CANGLE NEW VALIDATION
CDAM	YES, NO	C	3	0	NO	CDAM Coating Damage observed at the Crossing-ERROR 51
PDAM	YES, NO	C	3	0	NO	PDAM Physical Damage observed at the Crossing-ERROR 51
IDENT	Pipeline Identity	C	14	0	YES	IDENT EXISTS WITHIN PDESCRIP DATABASE
ID_NO	Reference Number of object	C	6	0	YES	ID_NO UNIQUE WITHIN MAST_0 & CROS_0
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE UPDATED TO MAINTAIN AUDIT TRAIL
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER UPDATED TO MAINTAIN AUDIT TRAIL
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE UPDATED TO MAINTAIN AUDIT TRAIL
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER UPDATED TO MAINTAIN AUDIT TRAIL

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

DATA DICTIONARY								
FIELD NAME	DESCRIPTION	FORMAT	T	L	D	KEY? Y/N	REPORT TITLE	COMMENT
INSPNO	Inspection Code - format nnn/yy	C	6	0	YES	INSPNO		EXISTS WITHIN WORKPIPE DATABASE
FP	Reference Footpost (of matching object)	N	6	3	NO	FP		MUST EXIST OR BE CREATED IN RELATED FILE
PORTSTAR	PORT, STBD, ON	C	4	0	NO	SIDE		Debris to PORT, STBD or ON Pipeline
DIST	Distance from Pipeline (to nearest 0.5 ft)	N	4	1	NO	DIST		
PULL_CURR	Y, N	C	1	0	NO	PULL_CURR		IS THE DEBRIS PULLING CURRENT Y/N - ERROR 129
ID_REL	Related Feature / Inspectable Object	C	6	0	NO	ID_REL		
IDENT	Pipeline Identity	C	14	0	YES	IDENT		EXISTS WITHIN PDESCRIP DATABASE
ID_NO	Reference Number (of matching object)	C	6	0	YES	ID_NO		MUST EXIST OR BE CREATED IN RELATED FILE
CP	Nearest CP Reading (mV)	N	5	0	NO	CP		
OBS_FP	Observed Footpost	N	6	3	YES	OBS_FP		
COMMENT	Comments within Variable Length "Memo" field	M	10	0	NO	COMMENT		WAS FIXED LENGTH CHARACTER OF LENGTH = 60
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE		UPDATED TO MAINTAIN AUDIT TRAIL
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER		UPDATED TO MAINTAIN AUDIT TRAIL
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE		UPDATED TO MAINTAIN AUDIT TRAIL
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER		UPDATED TO MAINTAIN AUDIT TRAIL

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY								
FIELD NAME	DESCRIPTION	FORMAT	T	L	D	KEY? Y/N	REPORT TITLE	COMMENT
FP	Reference Footpost	N	6	3	NO	FP		
FOUND	Year that debris first observed	N	2	0	NO	YR		
DESC	Debris Description	C	40	0	NO	DESC		
DIMENS	Dimensions of Debris (Length,Width,Height in ft)	C	14	0	NO	DIMENS		
DAMAGE	YES,NO	C	3	0	NO	DAMAGE	Damage caused (YES or NO)	
REMOVED	YES,NO	C	3	0	NO	REMOVED	Debris Removed (YES or NO)	
ID_REL	Related Feature / Inspectable Object	C	6	0	NO	ID_REL		
IDENT	Pipeline Identity	C	14	0	YES	IDENT	EXISTS WITHIN PDESCRIP DATABASE	
ID_NO	Reference Number of object	C	6	0	YES	ID_NO	UNIQUE WITHIN MAST_0 & DEBR_0	
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER	UPDATED TO MAINTAIN AUDIT TRAIL	

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY								
FIELD NAME	DESCRIPTION	FORMAT	T	L	D	KEY? Y/N	REPORT TITLE	COMMENT
INSPNO	Inspection Code - format mnn/yy	C	6	0	YES	INSPNO		EXISTS WITHIN WORKPIPE DATABASE
FP	Observed Footpost	N	6	3	YES	FP		
ID_REL	Related Feature / Object	C	6	0	NO	ID_REL		
CP	Nearest CP Reading (mV)	N	5	0	NO	CP		
EXPTYPE	S,E,B	C	1	0	NO	E		Exposure Status (Spanning, Exposed, Buried)
EXPREAD	Exposure Reading	N	5	2	NO	READG		
BURLEN	Length of Pipeline Burial (ft)	N	4	0	NO	LEN		
IDENT	Pipeline Identity	C	14	0	YES	IDENT		EXISTS WITHIN PDESCRIP DATABASE
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE		UPDATED TO MAINTAIN AUDIT TRAIL
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER		UPDATED TO MAINTAIN AUDIT TRAIL
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE		UPDATED TO MAINTAIN AUDIT TRAIL
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER		UPDATED TO MAINTAIN AUDIT TRAIL

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY						
FIELD NAME	DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT	
T	L	D				
INSPNO	Inspection Code - format mnn/yy	C	6	0	YES	INSPNO
FP	Reference Footpost (of matching object)	N	6	3	NO	FP
ID_REL	Related Feature / Inspectable Object	C	6	0	NO	ID_REL
IDENT	Pipeline Identity	C	14	0	YES	IDENT
ID_NO	Reference Number (of matching object)	C	6	0	YES	ID_NO
CP	Nearest CP Reading (mV)	N	5	0	NO	CP
OBS_FP	Observed Footpost	N	6	3	YES	OBS_FP
COMMENT	Comments within Variable Length "Memo" field	M	10	0	NO	COMMENT
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY								
FIELD NAME	DESCRIPTION	FORMAT	T	L	D	KEY? Y/N	REPORT TITLE	COMMENT
FP	Reference Footpost	N	6	3	NO	FP		
ID_REL	Related Feature / Inspectable Object	C	6	0	NO	ID_REL	CAN ONLY REFER TO A (C)ROSSING OR NOTHING (BLANK)	
DESC	Description of Item	C	20	0	NO	DESC		
IDENT	Pipeline Identity	C	14	0	YES	IDENT	EXISTS WITHIN PDESCRIP DATABASE	
ID_NO	Reference Number of object	C	6	0	YES	ID_NO	UNIQUE WITHIN MAST_0 & ITEM_0	
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER	UPDATED TO MAINTAIN AUDIT TRAIL	

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY						
FIELD NAME	DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT	
T	L	D				
ID_NO	Reference Number of object	C	6	0	YES	ID_NO
OTYPE	Item Type	C	8	0	NO	ITEM TYPE
BASE_YR	Year Object Identified	N	2	0	NO	YR
FP	Reference Footpost	N	6	3	NO	FP
MIN_FP	Minimum recorded Footpost for item	N	6	3	NO	MIN_FP
MAX_FP	Maximum recorded Footpost for item	N	6	3	NO	MAX_FP
LATEST	Latest Inspection for item	C	6	0	NO	LATEST
IDENT	Pipeline Identity	C	14	0	YES	IDENT
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER

FILE NAME - MAST\_0  
 SYSTEM - PIPELINE SUBSEA  
 TYPE - SYSTEM FILE  
 DESCRIPTION - MASTER LIST OF COMPONENTS

KEY : [C]type = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

DATA DICTIONARY						
FILE NAME	- PDAM I					
SYSTEM	- PIPELINE SUBSEA					
TYPE	- SYSTEM FILE					
DESCRIPTION	- DAMAGE INSPECTION					
FIELD NAME	DESCRIPTION	FORMAT	L	D	KEY? Y/N	REPORT TITLE
COMMENT						
INSPNO	Inspection Code - format nnn/yy	C	6	0	YES	INSPNO
FP	Reference Footpost (of matching object)	N	6	3	NO	FP
ID_REL	Related Feature / Inspectable Object	C	6	0	NO	ID_REL
IDENT	Pipeline Identity	C	14	0	YES	IDENT
ID_NO	Reference Number (of matching object)	C	6	0	YES	ID_NO
CP	Nearest CP Reading (mV)	N	5	0	NO	CP
OBS_FP	Observed Footpost	N	6	3	YES	OBS_FP
COMMENT	Comments within Variable Length "Memo" field	M	10	0	NO	COMMENT
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

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DATA DICTIONARY							
FIELD NAME	DESCRIPTION	FORMAT	L	D	KEY? Y/N	REPORT TITLE	COMMENT
DESC	Damage Description	C	50	0	NO	DESC	
FP	Reference Footpost	N	6	3	NO	FP	
PDAMRDAT	Repair Date	D	8	0	NO	PDAMRDAT	
PDAMRCON	Repair Contractor	C	20	0	NO	PDAMRCON	
ID_REL	Related Feature / Inspectable Object	C	6	0	NO	ID_REL	
PDAMRTYP	Type of Remedial Work	C	50	0	NO	PDAMRTYP	
PDAMCAT	Damage Category	C	20	0	NO	PDAMRTYP	NEW - REFER ERROR REPORT 15
IDENT	Pipeline Identity	C	14	0	YES	IDENT	EXISTS WITHIN PDESCRIP DATABASE
ID_NO	Reference Number of object	C	6	0	YES	ID_NO	UNIQUE WITHIN MAST_0 & PDAM_0
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE	UPDATED TO MAINTAIN AUDIT TRAIL
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER	UPDATED TO MAINTAIN AUDIT TRAIL
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE	UPDATED TO MAINTAIN AUDIT TRAIL
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER	UPDATED TO MAINTAIN AUDIT TRAIL

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

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DATA DICTIONARY						
FIELD NAME	DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT	
T	L	D				
IDENT	Pipeline Identity	C 14 0	YES	IDENT	UNIQUE IN PDESCRIP DATABASE/PLATFORMS EXIST	
PLENGTH	Length of Pipeline	N 6 3	NO	PLENGTH		
INSTALLED	Year Pipeline Installed	N 2 0	NO	INSTALLED		
PFIELD	Field that the pipeline serves	C 8 0	NO	PFIELD		
P CONTRAC	Pipe lay contractor	C 20 0	NO	P CONTRAC		
CORR CTG	Corrosion Coating, thickness and type	C 10 0	NO	CORR CTG		
CONCR CTG	Concrete Coating- type, thickness and weight	C 50 0	NO	CONCR CTG		
CON SPтол	Construction Max Allowable Span Length	N 3 0	NO	CON SPтол		
DYN SPтол	Operating Max Allowable Span length	N 3 0	NO	DYN SPтол		
PBURIAL	Estimated Overall Pipeline Burial (percent)	N 3 0	NO	PBURIAL		
ID NO TOL	Item Foot Post matching tolerance	N 2 0	NO	ID NO TOL	USED TO ASSOCIATE OBJECTS BETWEEN INSPECTIONS	
RETRONODE	Year Retrofit Anodes Installed	N 2 0	NO	RETRONODE		
OA_QTY	Number of Original Anodes	N 3 0	NO	OA_QTY		
OA_TYPE	Type of original Anodes	C 10 0	NO	OA_TYPE		
OA_SPACE	Original Anode Spacing (ft)	C 8 0	NO	OA_SPACE		
OA_LGTH	Original Anode Length (in)	N 5 2	NO	OA_LGTH	Was originally Num. 4,0	
OA_THK	Original Anode Thickness (in)	N 5 2	NO	OA_THK	Was originally Num. 4,0	
OA_WGHT	Original Anode Weight (lbs)	N 4 0	NO	OA_WGHT		

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

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DATA DICTIONARY						
FIELD NAME	DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT	
T	L	D				
OA_DLIFE	Original Anode Design Life	N	2	0	NO	OA_DLIFE
OA_PAREA	Original Anode percent Bare Area	N	3	0	NO	OA_PAREA
OA_MA_FT	Original Anode Current Density (mA/ft <sup>2</sup> )	N	3	0	NO	OA_MA_FT
OA_CAPAC	Original Anode Capacity (A hrs/1b)	N	4	0	NO	OA_CAPAC
RA_QTY	Number of Retrofit Anodes	N	3	0	NO	RA_QTY
RA_TYPE	Retrofit Anode Type	C	10	0	NO	RA_TYPE
RA_SPACE	Retrofit Anode Spacing (ft)	C	8	0	NO	RA_SPACE
RA_LGTH	Retrofit Anode Length (in)	N	5	2	NO	RA_LGTH
RA_THK	Retrofit Anode Thickness (in)	N	5	2	NO	RA_THK
RA_WGHT	Retrofit Anode Weight (lbs)	N	4	0	NO	RA_WGHT
RA_DLIFE	Retrofit Anode Design Life	N	2	0	NO	RA_DLIFE
RA_PAREA	Retrofit Anode percent Bare Area	N	3	0	NO	RA_PAREA
RA_MA_FT	Retrofit Anode Current Density (mA/ft <sup>2</sup> )	N	3	0	NO	RA_MA_FT
RA_CAPAC	Retrofit Anode Capacity (Ahrs / 1b)	N	4	0	NO	RA_CAPAC
LATEST	Last General Pipeline Inspection	C	6	0	LATEST	DERIVED FROM THE INSPECTION MODULE - NEW
DESC	General Pipeline Description	M	10	0	NO	DESC
CODE	Directory where Pipeline data is found	C	8	0	NO	CODE
OP_PRESS	Pipeline Operating Pressure (psi)	N	5	0	NO	OP_PRESS
MAXPRESS	Maximum Pressure for Weakest Pipeline Section	N	5	0	NO	MAXPRESS
						WAS MAINTAINED IN WALL THICKNESS CARS
						WAS MAINTAINED IN WALL THICKNESS CARS

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

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DATA DICTIONARY						
FIELD NAME	DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT	
T_L	D					
T_FACTOR	Temperature Factor for whole pipeline	N 5 3	NO	T_FACTOR	WAS MAINTAINED IN WALL THICKNESS CARIS	
LJE_FACT	Longitudinal Joint Efficiency factor for line	N 4 2	NO	LJE_FACT	WAS MAINTAINED IN WALL THICKNESS CARIS	
MOD_DATE	Date Record was created	D 8 0	NO	MOD_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
MOD_USER	Id of User who last modified record	C 8 0	NO	MOD_USER	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_DATE	Date Record was created	D 8 0	NO	CR_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_USER	Id of User who last created record	C 8 0	NO	CR_USER	UPDATED TO MAINTAIN AUDIT TRAIL	
CROS_QTY	Last Number Allocated to CROS_0 record	N 3 0	NO	CROS_QTY	MAINTAINED BY OBJECT MODULES	
ANOD_QTY	Last Number Allocated to ANOD_0 record	N 3 0	NO	ANOD_QTY	MAINTAINED BY OBJECT MODULES	
CDAM_QTY	Last Number Allocated to CDAM_0 record	N 3 0	NO	CDAM_QTY	MAINTAINED BY OBJECT MODULES	
DEBR_QTY	Last Number Allocated to DEBR_0 record	N 3 0	NO	DEBR_QTY	MAINTAINED BY OBJECT MODULES	
ITEM_QTY	Last Number Allocated to ITEM_0 record	N 3 0	NO	ITEM_QTY	MAINTAINED BY OBJECT MODULES	
PDAM_QTY	Last Number Allocated to PDAM_0 record	N 3 0	NO	PDAM_QTY	MAINTAINED BY OBJECT MODULES	
SPAN_QTY	Last Number Allocated to SPAN_0 record	N 3 0	NO	SPAN_QTY	MAINTAINED BY OBJECT MODULES	
SUPP_QTY	Last Number Allocated to SUPP_0 record	N 3 0	NO	SUPP_QTY	MAINTAINED BY OBJECT MODULES	

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

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DATA DICTIONARY						
FIELD NAME	DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT	
T	L	D				
INSPNO	Inspection Code - format nnn/yy	C	6	0	YES	INSPNO
FP	Observed Footpost	N	6	3	YES	FP
ID_REL	Related Feature / Object	C	6	0	NO	ID_REL
FILM	Film number	N	3	0	NO	FILM
SHOT	Shot Number	N	3	0	NO	SHOT
SUBJECT	Category of Subject	C	20	0	NO	SUBJECT
CAPTION	Description of Shot	C	70	0	NO	CAPTION
IDENT	Pipeline Identity	C	14	0	YES	IDENT
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

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DATA DICTIONARY						
FIELD NAME	DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT	
T	L	D				
INSNPO	Inspection Code - format nnn/yy	C 6 0	YES	INSPNO	EXISTS WITHIN WORKPIPE DATABASE	
FP	Reference Footpost (of matching object)	N 6 3	NO	FP	MUST EXIST OR BE CREATED IN RELATED FILE	
SPAN_LEN	Length of Span (ft)	N 4 0	NO	SPAN_LEN		
SPAN_HEIGHT	Height of Span (in)	N 3 0	NO	SPAN_HEIGHT		
SPAN_GRAD	0,1,2	C 1 0	NO	SPAN_GRAD	Span Grading (0, 1 or 2)	
SUPP	YES,NO	C 3 0	NO	SUPP	Originally C, 1 - Is Span Supported (YES or NO)	
ID_REL	Related Feature / Inspectable Object	C 6 0	NO	ID_REL		
IDENT	Pipeline Identity	C 14 0	YES	IDENT	EXISTS WITHIN PDESCRIP DATABASE	
ID_NO	Reference Number (of matching object)	C 6 0	YES	ID_NO	MUST EXIST OR BE CREATED IN RELATED FILE	
CP	Nearest CP Reading (mV)	N 5 0	NO	CP		
OBS_FP	Observed Footpost	N 6 3	YES	OBS_FP		
COMMENT	Comments within Variable Length "Memo" field	M 10 0	NO	COMMENT	WAS FIXED LENGTH CHARACTER OF LENGTH = 60	
MOD_DATE	Date Record was created	D 8 0	NO	MOD_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
MOD_USER	Id of User who last modified record	C 8 0	NO	MOD_USER	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_DATE	Date Record was created	D 8 0	NO	CR_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_USER	Id of User who last created record	C 8 0	NO	CR_USER	UPDATED TO MAINTAIN AUDIT TRAIL	

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

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DATA DICTIONARY								
FIELD NAME	DESCRIPTION	FORMAT	T	L	D	KEY? Y/N	REPORT TITLE	COMMENT
FP	Reference Footpost	N	6	3	NO	FP		
ID_REL	Related Feature / Inspectable Object	C	6	0	NO	ID_REL		
IDENT	Pipeline Identity	C	14	0	YES	IDENT	EXISTS WITHIN DESCRIPTIVE DATABASE	
ID_NO	Reference Number of object	C	6	0	YES	ID_NO	UNIQUE WITHIN MAST_0 & SPAN_0	
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER	UPDATED TO MAINTAIN AUDIT TRAIL	

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

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DATA DICTIONARY						
FILE NAME	STAB_I					
SYSTEM	- PIPELINE SUBSEA					
TYPE	- SYSTEM FILE					
DESCRIPTION	- STAB READINGS					
FIELD NAME	DESCRIPTION	FORMAT	T L	D	KEY? Y/N	REPORT TITLE
						COMMENT
INSPNO	Inspection Code - format nnn/yy	C	6	0	YES	INSPNO
ID_REL	Related Feature / Object	C	6	0	NO	ID_REL
FP	Observed Footpost	N	6	3	YES	FP
STAB	Stab value (mV)	N	5	0	NO	STAB
IDENT	Pipeline Identity	C	14	0	YES	IDENT
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY						
FILE NAME	- SUPP_I					
SYSTEM	- PIPELINE SUBSEA					
TYPE	- SYSTEM FILE					
DESCRIPTION	- SUPPORT INSPECTION					
FIELD NAME	DESCRIPTION	FORMAT	T L	D	KEY? Y/N	REPORT TITLE
INSPNO	Inspection Code - format nnn/yy	C	6	0	YES	INSPNO
FP	Reference Footpost (of matching object)	N	6	3	NO	FP
SUP_PIPE	YES,NO	C	3	0	NO	SUP_PIPE
START_FP	Position of Supported Event (Crossing or Span)	N	6	3	NO	START_FP
ID_REL	Related Feature / Inspectable Object	C	6	0	NO	ID_REL
IDENT	Pipeline Identity	C	14	0	YES	IDENT
ID_NO	Reference Number (of matching object)	C	6	0	YES	ID_NO
CP	Nearest CP Reading (mV)	N	5	0	NO	CP
OBS_FP	Observed Footpost	N	6	3	YES	OBS_FP
COMMENT	Comments within Variable Length "Memo" field	M	10	0	NO	COMMENT
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

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DATA DICTIONARY							
FIELD NAME	DESCRIPTION	FORMAT	T L	D	KEY? Y/N	REPORT TITLE	COMMENT
FP	Reference Footpost	N	6	3	NO	FP	
SUP_TYPE	CROSSING, SPAN	C	8	0	NO	SUP_TYPE	Supported Event (CROSSING or SPAN)
ID_REL	Related Feature / Inspectable Object	C	6	0	NO	ID_REL	
DESC	Description of Support	C	50	0	NO	DESC	
IDENT	Pipeline Identity	C	14	0	YES	IDENT	EXISTS WITHIN PDESкрип DATABASE
ID_NO	Reference Number of object	C	6	0	YES	ID_NO	UNIQUE WITHIN MAST_0 & SUPP_0
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE	UPDATED TO MAINTAIN AUDIT TRAIL
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER	UPDATED TO MAINTAIN AUDIT TRAIL
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE	UPDATED TO MAINTAIN AUDIT TRAIL
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER	UPDATED TO MAINTAIN AUDIT TRAIL

FILE NAME - SUPP\_0  
 SYSTEM - PIPELINE SUBSEA  
 TYPE - SYSTEM FILE  
 DESCRIPTION - SUPPORTS

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

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DATA DICTIONARY						
FIELD NAME	DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT	
T	L	D				
INSNPO	Inspection Code - format nnn/yy	C 6 0	YES	INSPNO	EXISTS WITHIN WORKPIPE DATABASE	
FP	Observed Footpost	N 6 3	YES	FP		
ID_REL	Related Feature / Object	C 6 0	NO	ID_REL		
TAPE	Tape Number	N 3 0	NO	TAPE		
TCOUNT	Tape Count	C 5 0	NO	COUNT		
IDENT	Pipeline Identity	C 14 0	YES	IDENT	EXISTS WITHIN PDESCRIP DATABASE	
COMMENT	Comments regarding video frame	C 70 0	NO	COMMENT		
MOD_DATE	Date Record was created	D 8 0	NO	MOD_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
MOD_USER	Id of User who last modified record	C 8 0	NO	MOD_USER	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_DATE	Date Record was created	D 8 0	NO	CR_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_USER	Id of User who last created record	C 8 0	NO	CR_USER	UPDATED TO MAINTAIN AUDIT TRAIL	

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

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DATA DICTIONARY							
FIELD NAME	DESCRIPTION	FORMAT	T L	D	KEY? Y/N	REPORT TITLE	COMMENT
INSPNO	Inspection Code - format mm/yy	C	6	0	YES	INSPNO	UNIQUE IN WORKPIPE DATABASE
WSTART	Start Date	D	8	0	NO	START DATE	
WEND	End Date	D	8	0	NO	END DATE	
WTYPE	Type of Work Done	C	15	0	NO	WTYPE	
WCONT	Contractor for Work	C	20	0	NO	WCONT	
WNSL	Diving Vessel Used	C	20	0	NO	WNSL	
WDIVER	Type of Diving Operations	C	10	0	NO	WDIVER	WAS CHARACTER 20 - NOW CHARACTER 10 - CONSISTANCY
WROV	ROV type and Serial number	C	20	0	NO	WROV	
WCPEQP	CP Equipment Used	C	20	0	NO	WCPEQP	
WCPCON	CP Contractor	C	20	0	NO	WCPCON	
WSURNAV	Surface Navigation Equipment	C	20	0	NO	WSURNAV	
WTRACKER	Pipe Tracking Equipment	C	20	0	NO	WTRACKER	
WPROFILE	Profiler Equipment	C	20	0	NO	WPROFILE	
WTEQP	Wall Thickness Equipment	C	20	0	NO	WTEQP	
WLENGTH	Length of Pipelines inspected (kft.)	N	7	3	NO	WLENGTH	
WCOST	Cost of Contract (Currency and Amount)	C	10	0	NO	WCOST	
PIPE_QTY	Number of Pipelines Inspected	N	3	0	NO	PIPE_QTY	UPDATED BY ALLOCATING PIPELINES VS. THE INSPECTION
WREPAIR	Remedial Work Description	M	10	0	NO	WREPAIR	WAS A FIXED LENGTH 50 CHARACTER FIELD

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

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FILE NAME		DATA DICTIONARY					
SYSTEM TYPE	DESCRIPTION	FIELD NAME	DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT
WORKPIPE	- PIPELINE SUBSEA	COMMENT	Comments within Variable Length "Memo" field	M 10 0	NO	COMMENT	WAS FIXED LENGTH CHARACTER OF LENGTH = 70
PIPELINE	- SYSTEM FILE	MOD_DATE	Date Record was created	D 8 0	NO	MOD_DATE	UPDATED TO MAINTAIN AUDIT TRAIL
Pipeline	- PIPELINE INSPECTION LOG	MOD_USER	Id of User who last modified record	C 8 0	NO	MOD_USER	UPDATED TO MAINTAIN AUDIT TRAIL
		CR_DATE	Date Record was created	D 8 0	NO	CR_DATE	UPDATED TO MAINTAIN AUDIT TRAIL
		CR_USER	Id of User who last created record	C 8 0	NO	CR_USER	UPDATED TO MAINTAIN AUDIT TRAIL

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY								
<hr/>								
FIELD NAME	DESCRIPTION	FORMAT	T	L	D	KEY? Y/N	REPORT TITLE	COMMENT
INSPNO	Inspection Code - format mnn/yy	C	6	0	YES	INSPNO	EXISTS WITHIN WORKPIPE DATABASE	
IDENT	Pipeline Identity	C	14	0	NO	IDENT	EXISTS WITHIN PIPESCRIPT DATABASE	
IDENT	Pipeline Identity	C	14	0	YES	IDENT	EXISTS WITHIN PIPESCRIPT DATABASE	
CR_DATE	Date Record was created	D	8	0	NO	CR_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
CR_USER	Id of User who last created record	C	8	0	NO	CR_USER	UPDATED TO MAINTAIN AUDIT TRAIL	
MOD_DATE	Date Record was created	D	8	0	NO	MOD_DATE	UPDATED TO MAINTAIN AUDIT TRAIL	
MOD_USER	Id of User who last modified record	C	8	0	NO	MOD_USER	UPDATED TO MAINTAIN AUDIT TRAIL	

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

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DATA DICTIONARY						
FIELD NAME	DESCRIPTION	FORMAT	KEY?	REPORT TITLE	COMMENT	
		T L	D Y/N			
CODE	ANODE MATERIAL TYPES	C	20 0	YES		
DESC	LIBRARY DESCRIPTION	C	50 0	NO		

FILE NAME = ANOD\_MAT  
 SYSTEM = SYSTEM FILE  
 TYPE = ANODE MATERIAL TYPES  
 DESCRIPTION = ANODE MATERIAL TYPES

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

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FILE NAME		-	CDAMGRAD	DATA DICTIONARY			
SYSTEM	-	COATING DAMAGE GRADE					
TYPE	-	SYSTEM FILE					
DESCRIPTION	-						
FIELD NAME	DESCRIPTION		FORMAT	T L	D	KEY? Y/N	REPORT TITLE
CODE	COATING DAMAGE GRADE		C	5	0	YES	
DESC	LIBRARY DESCRIPTION		C	50	0	NO	

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY								
FIELD NAME	DESCRIPTION	FORMAT	T	L	D	KEY? Y/N	REPORT TITLE	COMMENT
CODE	SEABED TYPE		C	5	0	YES		
DESC	LIBRARY DESCRIPTION		C	50	0	NO		

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY								
FILE NAME	-	CDANGRAD	FORMAT	T	L	KEY? Y/N	REPORT TITLE	COMMENT
SYSTEM	-							
TYPE	-	SYSTEM FILE						
DESCRIPTION	-	COATING DAMAGE GRADE						
FIELD NAME	DESCRIPTION			FORMAT	T	L	KEY? Y/N	REPORT TITLE
CODE	COATING DAMAGE GRADE				C	5	0	YES
DESC	LIBRARY DESCRIPTION				C	50	0	NO

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY						
FIELD NAME	DESCRIPTION	FORMAT				COMMENT
CODE	CONTRACTORS	C	20	0	YES	
DESC	LIBRARY DESCRIPTION	C	50	0	NO	

FILE NAME - CONTRACT  
 SYSTEM - SYSTEM FILE  
 TYPE - CONTRACTORS  
 DESCRIPTION - CONTRACTORS

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY						
FIELD NAME	DESCRIPTION	FORMAT				COMMENT
		T	L	D	KEY? Y/N	REPORT TITLE
CODE	CORROSION COATING TYPE	C	10	0	YES	
DESC	LIBRARY DESCRIPTION	C	50	0	NO	

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY						
FILE NAME	-	DEF_POS				
SYSTEM	-					
TYPE	-	SYSTEM FILE				
DESCRIPTION	-	DEFECT POSITION/CATEGORY				
FIELD NAME	DESCRIPTION			FORMAT	KEY? Y/N	REPORT TITLE
	T	L	D			COMMENT
CODE	DEFECT POSITION/CATEGORY		C	20	0	YES
DESC	LIBRARY DESCRIPTION		C	50	0	NO

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
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DATA DICTIONARY						
FILE NAME	-	DIVETYP				
SYSTEM	-					
TYPE	-	SYSTEM FILE				
DESCRIPTION	-	TYPE OF DIVING OPERATIONS				
FIELD NAME	DESCRIPTION		FORMAT	KEY? Y/N	REPORT TITLE	COMMENT
CODE	TYPE OF DIVING OPERATIONS		T L D			
DESC	LIBRARY DESCRIPTION		C 10 0	YES		
			C 50 0	NO		

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

DATA DICTIONARY						
FILE NAME	-	EQ_TYPE				
SYSTEM	-					
TYPE	-	SYSTEM FILE				
DESCRIPTION	-	EQUIPMENT USED				
FIELD NAME		DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT
			T L D			
CODE	EQUIPMENT USED		C 20 0	YES		
DESC	LIBRARY DESCRIPTION		C 50 0	NO		

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

DATA DICTIONARY						
FILE NAME	-	INSPCAT				
SYSTEM	-					
TYPE	-	SYSTEM FILE				
DESCRIPTION	-	GENERIC INSPECTION CATEGORY				
FIELD NAME	DESCRIPTION		FORMAT	KEY? Y/N	REPORT TITLE	COMMENT
	T	L	D			
CODE	GENERIC INSPECTION CATEGORY		C	20	0	YES
DESC	LIBRARY DESCRIPTION		C	50	0	NO

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

DATA DICTIONARY						
FILE NAME	-	INSPTYPE				
SYSTEM	-					
TYPE	-	SYSTEM FILE				
DESCRIPTION	-	CODED INSPECTION TYPE				
FIELD NAME		DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT
			T L	D		
CODE		CODED INSPECTION TYPE	C	6	0	YES
DESC		LIBRARY DESCRIPTION	C	50	0	NO

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [d]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

DATA DICTIONARY						
FILE NAME	-	ITEMDESC				
SYSTEM	-					
TYPE	-	SYSTEM FILE				
DESCRIPTION	-	ITEM DESCRIPTION				
FIELD NAME		DESCRIPTION	FORMAT	REPORT TITLE		COMMENT
			T L D	KEY? Y/N		
CODE		ITEM DESCRIPTION	C 20 0	YES		
DESC		LIBRARY DESCRIPTION	C 50 0	NO		

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

DATA DICTIONARY						
FIELD NAME	DESCRIPTION	FORMAT		KEY? Y/N	REPORT TITLE	COMMENT
T	L	D				
CODE	MARINE GROWTH TYPE	C	4	0	YES	
DESC	LIBRARY DESCRIPTION	C	50	0	NO	

FILE NAME : MGTYPE  
 SYSTEM : -  
 TYPE : - SYSTEM FILE  
 DESCRIPTION : - MARINE GROWTH TYPE

[T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

DATA DICTIONARY								
FIELD NAME	DESCRIPTION	FORMAT	T	L	D	KEY? Y/N	REPORT TITLE	COMMENT
CODE	OILFIELD IDENTIFICATION	C	6	0		YES		
DESC	LIBRARY DESCRIPTION	C	50	0		NO		

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

DATA DICTIONARY						
FILE NAME	PDAMCAT					
SYSTEM	-					
TYPE	SYSTEM FILE					
DESCRIPTION	PHYSICAL DAMAGE CATEGORY					
FIELD NAME	DESCRIPTION					
		T	L	D	KEY? Y/N	REPORT TITLE
CODE	PHYSICAL DAMAGE CATEGORY	C	20	0	YES	
DESC	LIBRARY DESCRIPTION	C	50	0	NO	

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

DATA DICTIONARY						
FILE NAME	-	SOLTYPE				
SYSTEM	-					
TYPE	-	SYSTEM FILE				
DESCRIPTION	-	SEABED SOIL TYPES				
FIELD NAME		DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT
			T L D			
CODE	SEABED SOIL TYPES		C 10 0	YES		
DESC	LIBRARY DESCRIPTION		C 50 0	NO		

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

DATA DICTIONARY						
FILE NAME	- VESS_ID	DESCRIPTION	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT
T	L	D				
CODE	SURVEY_VESSELS		C 20 0	YES		
DESC	LIBRARY DESCRIPTION		C 50 0	NO		

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [d]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

DATA DICTIONARY						
FILE NAME	-	WTYPE				
SYSTEM	-	SYSTEM				
TYPE	-	SYSTEM FILE				
DESCRIPTION	-	TYPE OF WORK DONE				
FIELD NAME		DESCRIPTION	FORMAT	REPORT TITLE		COMMENT
			T L D	KEY? Y/N		
CODE	TYPE OF WORK DONE		C 15 0	YES		
DESC	LIBRARY DESCRIPTION		C 50 0	NO		

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
 [L]ength = Length of field  
 [D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

FILE NAME -  
SYSTEM -  
TYPE -  
DESCRIPTION - SYSTEM FILE

DATA DICTIONARY

FIELD NAME	DESCRIPTION	T	L	D	FORMAT	KEY? Y/N	REPORT TITLE	COMMENT
OR					0	0	NO	OR
AND					0	0	NO	AND
STOP					0	0	NO	STOP
ERASE					0	0	NO	ERASE

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
[L]ength = Length of field  
[D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)

DATE : 06/30/92

FILE NAME -  
SYSTEM TYPE -  
DESCRIPTION - SYSTEM FILE

DATA DICTIONARY

FIELD NAME	DESCRIPTION	FORMAT			KEY? Y/N	REPORT TITLE	COMMENT
		T	L	D			
=	EQUAL TO	CNDM			0	0	NO =
#	NOT EQUAL TO	CND			0	0	NO #
>	GREATER THAN	CNDM			0	0	NO >
>=	GREATER THAN OR EQUAL	CNDM			0	0	NO >=
<=	LESS THAN OR EQUAL	CNDM			0	0	NO <=
<	LESS THAN	CNDM			0	0	NO <
\$	CONTAINS	CM			0	0	NO \$

KEY : [T]ype = [C]haracter, [N]umeric, [D]ate, [M]emo, [L]ogical  
[L]ength = Length of field  
[D]ecimal = Number of decimal places

VERSION : Alpha test: 0.0.1 - (920618)  
DATE : 06/30/92

SCREEN DEFINITIONS																	
SCREEN NAME	PDESCRIP																
SYSTEM	PPIPELINE SUBSEA																
TITLE	PPIPELINE INFORMATION																
VERSION NO.	- Alpha test: 0.0.1 - (920618)																
<table border="1"> <tr> <td>Pipeline Last Inspection :</td> <td>Year Installed :</td> <td>Length Field Served :</td> </tr> <tr> <td>Contractor :</td> <td>Corr. Coating :</td> <td></td> </tr> <tr> <td>Conc. Coating :</td> <td>Max. Op. Span :</td> <td></td> </tr> <tr> <td>Max. Const. Span:</td> <td>Footpost Tol. :</td> <td></td> </tr> <tr> <td>Estimated Burial:</td> <td></td> <td></td> </tr> </table>		Pipeline Last Inspection :	Year Installed :	Length Field Served :	Contractor :	Corr. Coating :		Conc. Coating :	Max. Op. Span :		Max. Const. Span:	Footpost Tol. :		Estimated Burial:			
Pipeline Last Inspection :	Year Installed :	Length Field Served :															
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Conc. Coating :	Max. Op. Span :																
Max. Const. Span:	Footpost Tol. :																
Estimated Burial:																	
<table border="1"> <tr> <td colspan="2">Anode Details</td> </tr> <tr> <td colspan="2">Retrofit Anodes Installed :</td> </tr> <tr> <td>Qty. :</td> <td>Type</td> <td>Dimensions</td> </tr> <tr> <td>Orig. :</td> <td>Spacing</td> <td>Lngth Thkns Wght</td> </tr> <tr> <td>Ret. :</td> <td></td> <td>Life Area</td> </tr> <tr> <td></td> <td></td> <td>Des. Bare Density Capcty</td> </tr> </table>		Anode Details		Retrofit Anodes Installed :		Qty. :	Type	Dimensions	Orig. :	Spacing	Lngth Thkns Wght	Ret. :		Life Area			Des. Bare Density Capcty
Anode Details																	
Retrofit Anodes Installed :																	
Qty. :	Type	Dimensions															
Orig. :	Spacing	Lngth Thkns Wght															
Ret. :		Life Area															
		Des. Bare Density Capcty															
COMMENTS																	

<u>SCREEN DEFINITIONS</u>					
<b>SCREEN NAME</b>	- PI ANOD I				
<b>SYSTEM</b>	- PIPELINE SUBSEA				
<b>TITLE</b>	- ANODE INSPECTION				
<b>VERSION NO.</b>	- Alpha test: 0.0.1 - (920618)				
<table border="1"> <tr> <td>Pipeline : ID Number : Nearest Cp :</td> <td>Inspection No. : Reference FP : Observed FP :</td> </tr> <tr> <td>Calc. Output : Deplet. Grade : Operating :</td> <td>Remaining Life : Related ID :</td> </tr> </table>		Pipeline : ID Number : Nearest Cp :	Inspection No. : Reference FP : Observed FP :	Calc. Output : Deplet. Grade : Operating :	Remaining Life : Related ID :
Pipeline : ID Number : Nearest Cp :	Inspection No. : Reference FP : Observed FP :				
Calc. Output : Deplet. Grade : Operating :	Remaining Life : Related ID :				
<b>COMMENTS</b>					

SCREEN DEFINITIONS	
SCREEN NAME	- PI ANOD 0
SYSTEM	- PIPELINE SUBSEA
TITLE	- ANODE COMPONENTS
VERSION NO.	- Alpha test: 0.0.1 - (920618)
Pipeline	:
Reference FP	:
Anode Type	:
COMMENTS	

<b>SCREEN DEFINITIONS</b>					
SCREEN NAME : PI CDAM I					
SYSTEM : PIPELINE SUBSEA					
TITLE : COATING DAMAGE INSPECTION					
VERSION NO. : Alpha test: 0.0.1 - (920618)					
<table border="1"><tr><td>Pipeline ID Number : Nearest Cp :</td><td>Inspection No. : Reference FP : Observed FP :</td></tr><tr><td>Damage Length :</td><td>Related ID :</td></tr></table>		Pipeline ID Number : Nearest Cp :	Inspection No. : Reference FP : Observed FP :	Damage Length :	Related ID :
Pipeline ID Number : Nearest Cp :	Inspection No. : Reference FP : Observed FP :				
Damage Length :	Related ID :				
<b>COMMENTS</b>					

<p><u>SCREEN NAME</u> : PI COMM I</p> <p><u>SYSTEM</u> : PIPELINE SUBSEA</p> <p><u>TITLE</u> : GENERAL INSPECTION COMMENTS</p> <p><u>VERSION NO.</u> : Alpha test: 0.0.1 - (920618)</p>		<p><u>SCREEN DEFINITIONS</u></p> <table border="1"><tr><td>Pipeline :</td><td>Inspection No. :</td></tr><tr><td>Obs. Footpost :</td><td>Related ID :</td></tr><tr><td>Subject :</td><td>Comment Number :</td></tr></table>	Pipeline :	Inspection No. :	Obs. Footpost :	Related ID :	Subject :	Comment Number :	<p><u>COMMENTS</u></p>
Pipeline :	Inspection No. :								
Obs. Footpost :	Related ID :								
Subject :	Comment Number :								

SCREEN DEFINITIONS																																					
SCREEN NAME	- PI CPCALIB																																				
SYSTEM	- PIPELINE SUBSEA																																				
TITLE	- CP CALIBRATION																																				
VERSION NO.	- Alpha test: 0.0.1 - (920618)																																				
<table border="1"> <tr> <td>Pipeline :</td> <td>Inspection No. :</td> </tr> <tr> <td>Calibration No. :</td> <td>Probe Type :</td> </tr> <tr> <td>Serial Number :</td> <td></td> </tr> </table>		Pipeline :	Inspection No. :	Calibration No. :	Probe Type :	Serial Number :																															
Pipeline :	Inspection No. :																																				
Calibration No. :	Probe Type :																																				
Serial Number :																																					
<table border="1"> <tr> <td>Test Value Criteria</td> <td>Pre. Dive (+/- 5mV)</td> <td>In Dive (+/- 10 mV)</td> <td>Post Dive (+/- 5mV)</td> </tr> <tr> <td>-500 mV Check :</td> <td></td> <td></td> <td></td> </tr> <tr> <td>-600 mV Check :</td> <td></td> <td></td> <td></td> </tr> <tr> <td>-700 mV Check :</td> <td></td> <td></td> <td></td> </tr> <tr> <td>-800 mV Check :</td> <td></td> <td></td> <td></td> </tr> <tr> <td>-900 mV Check :</td> <td></td> <td></td> <td></td> </tr> <tr> <td>-1000 mV Check :</td> <td></td> <td></td> <td></td> </tr> <tr> <td>-1040 mV Check :</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Acceptable :</td> <td></td> <td></td> <td></td> </tr> </table>		Test Value Criteria	Pre. Dive (+/- 5mV)	In Dive (+/- 10 mV)	Post Dive (+/- 5mV)	-500 mV Check :				-600 mV Check :				-700 mV Check :				-800 mV Check :				-900 mV Check :				-1000 mV Check :				-1040 mV Check :				Acceptable :			
Test Value Criteria	Pre. Dive (+/- 5mV)	In Dive (+/- 10 mV)	Post Dive (+/- 5mV)																																		
-500 mV Check :																																					
-600 mV Check :																																					
-700 mV Check :																																					
-800 mV Check :																																					
-900 mV Check :																																					
-1000 mV Check :																																					
-1040 mV Check :																																					
Acceptable :																																					
COMMENTS																																					

SCREEN NAME - PI CROS I  
SYSTEM - PIPELINE SUBSEA  
TITLE - PIPELINE CROSSING INSPECTION  
VERSION NO. - Alpha test: 0.0.1 - (920618)

SCREEN DEFINITIONS

Pipeline : Inspection No. :  
ID Number : Ref. Footpost :

Nearest CP : Obs. Footpost :  
Sep. Distance : Elect. Interface :

COMMENTS

SCREEN NAME - PI CROS 0  
SYSTEM - PIPELINE SUBSEA  
TITLE - PIPELINE CROSSING COMPONENTS  
VERSION NO. - Alpha test: 0.0.1 - (920618)

SCREEN DEFINITIONS

Pipeline ID Number :  
Footpost Over/Under :  
Supports Used Seabed Type :

Other Line ID :  
Other FP Crossing Angle :

Coating Damage : Physical Damage :

COMMENTS

SCREEN NAME : PI DEBR I  
SYSTEM : PIPELINE SUBSEA  
TITLE : DEBRIS INSPECTION  
VERSION NO. : Alpha test: 0.0.1 - (920618)

SCREEN DEFINITIONS

Pipeline ID Number :	Inspection No. :
	Reference FP :
Nearest CP Side :	Observed FP :
Pulling Current :	Distance :
	Related ID :

COMMENTS

SCREEN DEFINITIONS					
SCREEN NAME : PI DEBR 0					
SYSTEM : PIPELINE SUBSEA					
TITLE : DEBRIS COMPONENTS					
VERSION NO. : Alpha test: 0.0.1 - (920618)					
<table border="1"><tr><td>Pipeline Reference Footpost : Description :</td><td>ID Number Found :</td></tr><tr><td>Debris Dimensions : Removed</td><td>Damage Caused : Related ID :</td></tr></table>		Pipeline Reference Footpost : Description :	ID Number Found :	Debris Dimensions : Removed	Damage Caused : Related ID :
Pipeline Reference Footpost : Description :	ID Number Found :				
Debris Dimensions : Removed	Damage Caused : Related ID :				
COMMENTS					

SCREEN NAME - PI ITEM I		SCREEN DEFINITIONS					
SYSTEM	- PIPELINE SUBSEA						
TITLE	- ITEM INSPECTION						
VERSION NO.	- Alpha test: 0.0.1 - (920618)						
<table border="1"><tr><td>Pipeline : ID Number :</td><td>Inspection No. : Ref. Footpost :</td></tr><tr><td>Nearest CP : Related ID :</td><td>Obs. Footpost :</td></tr></table>				Pipeline : ID Number :	Inspection No. : Ref. Footpost :	Nearest CP : Related ID :	Obs. Footpost :
Pipeline : ID Number :	Inspection No. : Ref. Footpost :						
Nearest CP : Related ID :	Obs. Footpost :						
COMMENTS							

SCREEN DEFINITIONS	
SCREEN NAME : PI ITEM 0	
SYSTEM : PIPELINE SUBSEA	
TITLE : INSPECTABLE ITEM COMPONENTS	
VERSION NO. : Alpha test: 0.0.1 - (920618)	
Pipeline : ID Number : Reference FP : Related ID : Description :	
COMMENTS	

SCREEN NAME : PI MAST 0		SCREEN DEFINITIONS									
SYSTEM	- PIPELINE SUBSEA										
TITLE	- MASTER COMPONENT INVENTORY										
VERSION NO.	- Alpha test: 0.0.1 - (920618)										
<table border="1"><tr><td>Pipeline Item Type</td><td>:</td><td>ID Number Identified</td><td>:</td></tr><tr><td>Reference FP Maximum FP</td><td>:</td><td>Minimum FP Latest Insp</td><td>:</td></tr></table>				Pipeline Item Type	:	ID Number Identified	:	Reference FP Maximum FP	:	Minimum FP Latest Insp	:
Pipeline Item Type	:	ID Number Identified	:								
Reference FP Maximum FP	:	Minimum FP Latest Insp	:								
COMMENTS											

<u>SCREEN DEFINITIONS</u>	
SCREEN NAME	- PI PDAM I
SYSTEM	- PIPELINE SUBSEA
TITLE	- PHYSICAL DAMAGE INSPECTION
VERSION NO.	- Alpha test: 0.0.1 - (920618)
Pipeline ID Number :	Inspection No. :
Ref. Footpost : Nearest CP :	Obs. Footpost : Related ID :
<u>COMMENTS</u>	

SCREEN NAME : PI PDAM 0  
SYSTEM : PIPELINE SUBSEA  
TITLE : PHYSICAL DAMAGE COMPONENTS  
VERSION NO. : Alpha test: 0.0.1 - (920618)

SCREEN DEFINITIONS

Pipeline Description :	ID Number :
Reference Footpost : Repair Contractor :	Repair Date : Related ID :
Remedial Work Type : Nature of Damage :	

COMMENTS

SCREEN DEFINITIONS	
SCREEN NAME	- PI PHOT I
SYSTEM	- PIPELINE SUBSEA
TITLE	- PHOTLOG ENTRIES
VERSION NO.	- Alpha test: 0.0.1 - (920618)
Pipeline	:
Obs. Footpost	:
Inspection No.	:
Related ID	:
Film Number	:
Subject	:
Caption	_____
COMMENTS	

SCREEN DEFINITIONS	
SCREEN NAME	- PI SPAN I
SYSTEM	- PIPELINE SUBSEA
TITLE	- SPAN INSPECTION
VERSION NO.	- Alpha test: 0.0.1 - (920618)
Pipeline ID Number	: Nearest Cp :
Length of Span :	 Span Grade : Related ID :
Inspection No. Reference FP	: Observed FP :
Height of Span :	 Span Supported :
COMMENTS	

SCREEN DEFINITIONS									
SCREEN NAME : PI SUPP I									
SYSTEM : PIPELINE SUBSEA									
TITLE : SUPPORT STRUCTURE INSPECTION									
VERSION NO. : Alpha test: 0.0.1 - (920618)									
<table border="1"> <tr> <td>Pipeline ID Number :</td> <td>Inspection No. : Reference FP :</td> </tr> <tr> <td>Nearest CP :</td> <td>Observed FP :</td> </tr> <tr> <td>Support Pipe. :</td> <td>Event Position :</td> </tr> <tr> <td>Related ID :</td> <td></td> </tr> </table>		Pipeline ID Number :	Inspection No. : Reference FP :	Nearest CP :	Observed FP :	Support Pipe. :	Event Position :	Related ID :	
Pipeline ID Number :	Inspection No. : Reference FP :								
Nearest CP :	Observed FP :								
Support Pipe. :	Event Position :								
Related ID :									
COMMENTS									

SCREEN NAME : PI SUPP 0		SCREEN DEFINITIONS									
SYSTEM	- PIPELINE SUBSEA										
TITLE	- SUPPORT STRUCTURE COMPONENTS										
VERSION NO.	- Alpha test: 0.0.1 - (920618)										
 <table border="1"><tr><td>Pipeline :</td><td>ID Number :</td></tr><tr><td>Reference FP :</td><td>Support Type :</td></tr><tr><td>Related ID :</td><td></td></tr><tr><td colspan="2"> Description :</td></tr></table>				Pipeline :	ID Number :	Reference FP :	Support Type :	Related ID :		 Description :	
Pipeline :	ID Number :										
Reference FP :	Support Type :										
Related ID :											
 Description :											
 <hr/> <p>COMMENTS</p> <hr/>											

SCREEN NAME : PLANOD I		SCREEN DEFINITIONS																																																																					
SYSTEM	- PLATFORM																																																																						
TITLE	- ANODE SURVEY																																																																						
VERSION NO.	- Alpha test: 0.0.1 - (920618)																																																																						
<table border="1"> <tr> <td>Platform :</td> <td>Anode Description :</td> <td>Distance 1 :</td> <td></td> </tr> <tr> <td>Leg 1 :</td> <td>Depth 1 :</td> <td>Distance 2 :</td> <td></td> </tr> <tr> <td>Leg 2 :</td> <td>Depth 2 :</td> <td></td> <td></td> </tr> <tr> <td colspan="2">Item Inspected :</td> <td colspan="2">Inspection Code :</td> </tr> <tr> <td colspan="2">Drawing Ref. :</td> <td colspan="2">Anode Type :</td> </tr> <tr> <td>Photo Number :</td> <td>Attach. Status :</td> <td colspan="2"></td> </tr> <tr> <td>Marine Type :</td> <td>Max. Marine Thck.:</td> <td colspan="2"></td> </tr> <tr> <td>Anode Position :</td> <td>Anode CP :</td> <td colspan="2"></td> </tr> <tr> <td>Anode Length :</td> <td>Member CP :</td> <td colspan="2"></td> </tr> <tr> <td>Calibration No.:</td> <td>Core Cross Sect. :</td> <td colspan="2"></td> </tr> <tr> <td>DIMENSIONS</td> <td>END-1</td> <td>MIDDLE</td> <td>END-2</td> </tr> <tr> <td>Circ/Top</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Side</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Bottom</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Original Volume:</td> <td colspan="3">Calculated Volume:</td> </tr> <tr> <td>Estimated Dep1.:</td> <td colspan="3">Calculated Dep1. :</td> </tr> <tr> <td colspan="4">COMMENTS</td> </tr> </table>				Platform :	Anode Description :	Distance 1 :		Leg 1 :	Depth 1 :	Distance 2 :		Leg 2 :	Depth 2 :			Item Inspected :		Inspection Code :		Drawing Ref. :		Anode Type :		Photo Number :	Attach. Status :			Marine Type :	Max. Marine Thck.:			Anode Position :	Anode CP :			Anode Length :	Member CP :			Calibration No.:	Core Cross Sect. :			DIMENSIONS	END-1	MIDDLE	END-2	Circ/Top				Side				Bottom				Original Volume:	Calculated Volume:			Estimated Dep1.:	Calculated Dep1. :			COMMENTS			
Platform :	Anode Description :	Distance 1 :																																																																					
Leg 1 :	Depth 1 :	Distance 2 :																																																																					
Leg 2 :	Depth 2 :																																																																						
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Original Volume:	Calculated Volume:																																																																						
Estimated Dep1.:	Calculated Dep1. :																																																																						
COMMENTS																																																																							

SCREEN NAME	- PI VIDE I	SCREEN DEFINITIONS
SYSTEM	- PIPELINE SUBSEA	
TITLE	- VIDEOLOG ENTRIES	
VERSION NO.	- Alpha test: 0.0.1 - (920618)	
Pipeline Obs. Footpost :	:	Inspection No. Related ID :
Tape Number :		Tape Count :
COMMENTS _____		

SCREEN NAME	- PI VIDE I	SCREEN DEFINITIONS
SYSTEM	- PIPELINE SUBSEA	
TITLE	- VIDEOLOG ENTRIES	
VERSION NO.	- Alpha test: 0.0.1 - (920618)	
Pipeline Obs. Footpost :	:	Inspection No. Related ID :
Tape Number :		Tape Count :
COMMENTS _____		

SCREEN DEFINITIONS	
SCREEN NAME	- PLANOD 1
SYSTEM	- PLATFORM
TITLE	- ANODE SURVEY
VERSION NO.	- Alpha test: 0.0.1 - (920618)
Platform	: Anode Description :
Leg 1	: Depth 1 :
Leg 2	: Depth 2 :
Distance 1	:
Distance 2	:
Item Inspected :	Inspection Code :
Drawing Refer. :	Anode Type :
Photo Number :	Attach. Status :
Marine Type :	Max. Marine Thick. :
Anode Position :	Anode CP :
Anode Length :	Member CP :
Calibration No.:	Core Cross Sect. :
DIMENSIONS	
Circ/Top	MIDDLE
Side	END-2
Bottom	
Original Volume:	Calculated Volume:
Estimated Depth:	Calculated Depth. :
COMMENTS	

SCREEN DEFINITIONS	
SCREEN NAME	- PLANOD I
SYSTEM	- PLATFORM
TITLE	- ANODE SURVEY
VERSION NO.	- Alpha test: 0.0.1 - (920618)
COMMENTS	

SCREEN NAME : PLBOTT 1		SCREEN DEFINITIONS																																					
SYSTEM	- PLATFORM																																						
TITLE	- BOTTOM SURVEY																																						
VERSION NO.	- Alpha test: 0.0.1 - (920618)																																						
<table border="1"> <tr> <td>Platform :</td> <td></td> <td>Depth 1 :</td> <td></td> </tr> <tr> <td>Leg 1 :</td> <td></td> <td>Depth 2 :</td> <td></td> </tr> <tr> <td>Leg 2 :</td> <td></td> <td>Distance 1 :</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Distance 2 :</td> <td></td> </tr> <tr> <td colspan="2">Item Inspected :</td> <td>Description :</td> <td></td> </tr> <tr> <td colspan="2">Drawing Refer. :</td> <td>Inspection Num. :</td> <td></td> </tr> <tr> <td colspan="2">Soil Type :</td> <td>Mudmats Present :</td> <td></td> </tr> <tr> <td colspan="2">Scour :</td> <td>Natural Bottom :</td> <td></td> </tr> <tr> <td colspan="4">COMMENTS</td> </tr> </table>				Platform :		Depth 1 :		Leg 1 :		Depth 2 :		Leg 2 :		Distance 1 :				Distance 2 :		Item Inspected :		Description :		Drawing Refer. :		Inspection Num. :		Soil Type :		Mudmats Present :		Scour :		Natural Bottom :		COMMENTS			
Platform :		Depth 1 :																																					
Leg 1 :		Depth 2 :																																					
Leg 2 :		Distance 1 :																																					
		Distance 2 :																																					
Item Inspected :		Description :																																					
Drawing Refer. :		Inspection Num. :																																					
Soil Type :		Mudmats Present :																																					
Scour :		Natural Bottom :																																					
COMMENTS																																							

<b>SCREEN DEFINITIONS</b>									
SCREEN NAME : PLCPCL_1	SYSTEM PLATFORM : CP CALIBRATIONS								
TITLE : Alpha test: 0.0.1 - (920618)	VERSION NO.								
<table border="1"> <tr> <td>Platform : Inspection No. :</td> <td>Calibration No. :</td> </tr> <tr> <td>Probe Type :</td> <td>Serial Number :</td> </tr> <tr> <td>Diving Checks</td> <td>Pre-Drive Post-Drive</td> </tr> <tr> <td colspan="2">Acceptable (+/- 5mV) :</td> </tr> </table>		Platform : Inspection No. :	Calibration No. :	Probe Type :	Serial Number :	Diving Checks	Pre-Drive Post-Drive	Acceptable (+/- 5mV) :	
Platform : Inspection No. :	Calibration No. :								
Probe Type :	Serial Number :								
Diving Checks	Pre-Drive Post-Drive								
Acceptable (+/- 5mV) :									
COMMENTS									

SCREEN DEFINITIONS																												
SCREEN NAME	= PLCPRD I																											
SYSTEM	= PLATFORM																											
TITLE	= CATHODIC PROTECTION READINGS																											
VERSION NO.	- Alpha test:: 0.0.1 - (920618)																											
<table border="1"> <tr> <td>Platform :</td> <td>Depth 1 :</td> <td>Distance 1 :</td> </tr> <tr> <td>Leg 1 :</td> <td>Depth 2 :</td> <td>Distance 2 :</td> </tr> <tr> <td>Leg 2 :</td> <td></td> <td></td> </tr> <tr> <td colspan="3">Item Inspected : _____</td> </tr> <tr> <td colspan="3">Drawing Refer. : _____</td> </tr> <tr> <td colspan="3">Description : _____</td> </tr> <tr> <td colspan="3">Inspection Num. : _____</td> </tr> <tr> <td colspan="2">Calibration No.:</td> <td></td> </tr> <tr> <td colspan="2">Out Board CP :</td> <td>In Board CP :</td> </tr> </table>		Platform :	Depth 1 :	Distance 1 :	Leg 1 :	Depth 2 :	Distance 2 :	Leg 2 :			Item Inspected : _____			Drawing Refer. : _____			Description : _____			Inspection Num. : _____			Calibration No.:			Out Board CP :		In Board CP :
Platform :	Depth 1 :	Distance 1 :																										
Leg 1 :	Depth 2 :	Distance 2 :																										
Leg 2 :																												
Item Inspected : _____																												
Drawing Refer. : _____																												
Description : _____																												
Inspection Num. : _____																												
Calibration No.:																												
Out Board CP :		In Board CP :																										
COMMENTS _____																												

<u>SCREEN NAME</u> = PLFLDM I		<u>SCREEN DEFINITIONS</u>																						
<u>SYSTEM</u>	= PLATFORM																							
<u>TITLE</u>	- FLOODED MEMBER DETECTION																							
<u>VERSION NO.</u>	- Alpha test: 0.0.1 - (920618)																							
<table border="1"> <tr> <td>Platform :</td> <td>Depth 1 :</td> <td>Distance 1 :</td> </tr> <tr> <td>Leg 1 :</td> <td>Depth 2 :</td> <td>Distance 2 :</td> </tr> <tr> <td>Leg 2 :</td> <td></td> <td></td> </tr> <tr> <td colspan="3">Description : Inspection Num. :</td> </tr> <tr> <td colspan="3">Item Inspected : Drawing Refer. :</td> </tr> <tr> <td colspan="3">Flooded at positions - 3: Equipment Type :</td> </tr> <tr> <td colspan="3">6: 9: 12:</td> </tr> </table>				Platform :	Depth 1 :	Distance 1 :	Leg 1 :	Depth 2 :	Distance 2 :	Leg 2 :			Description : Inspection Num. :			Item Inspected : Drawing Refer. :			Flooded at positions - 3: Equipment Type :			6: 9: 12:		
Platform :	Depth 1 :	Distance 1 :																						
Leg 1 :	Depth 2 :	Distance 2 :																						
Leg 2 :																								
Description : Inspection Num. :																								
Item Inspected : Drawing Refer. :																								
Flooded at positions - 3: Equipment Type :																								
6: 9: 12:																								
<p><u>COMMENTS</u></p> <hr/>																								

SCREEN NAME : PILGENI I		SCREEN DEFINITIONS	
SYSTEM	- PLATFORM		
TITLE	- GENERAL INSPECTION COMMENTS		
VERSION NO.	- Alpha test: 0.0.1 - (920618)		
Platform :	Insp. No. :	Measure Unit :	
Drawing Ref. :		Photograph Ref. :	
COMMENTS			

<b>SCREEN NAME</b> : PLMARG I		<b>SCREEN DEFINITIONS</b>																
<b>SYSTEM</b>	- PLATFORM																	
<b>TITLE</b>	- MARINE GROWTH																	
<b>VERSION NO.</b>	- Alpha test: 0.0.1 - (920618)																	
<table border="1"> <tr> <td>Platform :</td> <td>Depth 1 :</td> <td>Distance 1 :</td> </tr> <tr> <td>Leg 1 :</td> <td>Depth 2 :</td> <td>Distance 2 :</td> </tr> <tr> <td>Leg 2 :</td> <td></td> <td></td> </tr> <tr> <td colspan="2">Item Inspected : Drawing Refer. :</td> <td>Description : Inspection Num. :</td> </tr> <tr> <td colspan="2">Hard Thickness : Soft Thickness : Photograph No. :</td> <td>Hard % Cover : Soft % Cover : Observation Depth:</td> </tr> </table>				Platform :	Depth 1 :	Distance 1 :	Leg 1 :	Depth 2 :	Distance 2 :	Leg 2 :			Item Inspected : Drawing Refer. :		Description : Inspection Num. :	Hard Thickness : Soft Thickness : Photograph No. :		Hard % Cover : Soft % Cover : Observation Depth:
Platform :	Depth 1 :	Distance 1 :																
Leg 1 :	Depth 2 :	Distance 2 :																
Leg 2 :																		
Item Inspected : Drawing Refer. :		Description : Inspection Num. :																
Hard Thickness : Soft Thickness : Photograph No. :		Hard % Cover : Soft % Cover : Observation Depth:																
<b>COMMENTS</b> <hr/>																		

SCREEN DEFINITIONS	
SCREEN NAME	- PUMPID 1
SYSTEM	- PLATFORM
TITLE	- MPI INSPECTION DESCRIPTION
VERSION NO.	- Alpha test: 0.0.1 - (920618)
Platform :	Insp. Type :
Leg 1 :	Depth 1 : Distance 1 :
Leg 2 :	Depth 2 : Distance 2 :
Item Inspected :	Description :
Inspection No. :	Drawing Ref. :
Indications :	Field Str. :
Demag. Before :	Demag. After :
Ink Type :	Perm. Magnet :
Current Source :	Current Used :
Loops/Coils :	Weld Angle :
Prod Spacing :	Light Source :
Datum Point :	Photo. No. :
MAXIMUM PIT DEPTHS	
Member :	Weld Cap : Node :
COMMENTS	

SCREEN NAME - PLPHOT 1  
SYSTEM - PLATFORM  
TITLE - PHOTOGRAPHIC LOG  
VERSION NO. - Alpha test: 0.0.1 - (920618)

SCREEN DEFINITIONS			
Platform :	Depth 1 :	Distance 1 :	Distance 2 :
Leg 1 :	Depth 2 :	Distance 2 :	
Leg 2 :			
Item Inspected : Drawing Refer. : Description : Inspection Code :			
Film Number :	Shot Number :	Inspection Type :	
Mounted (Y/N) :			
Photo. Desc. :			
COMMENTS			

SCREEN NAME = PLWALL I		SCREEN DEFINITIONS																			
SYSTEM	= PLATFORM																				
TITLE	= WALL THICKNESS																				
VERSION NO.	- Alpha test: 0.0.1 - (920618)																				
<table border="1"> <tr> <td>Platform :</td> <td></td> <td>Depth 1 :</td> <td>Distance 1 :</td> </tr> <tr> <td>Leg 1 :</td> <td></td> <td>Depth 2 :</td> <td>Distance 2 :</td> </tr> <tr> <td>Leg 2 :</td> <td></td> <td></td> <td></td> </tr> </table>				Platform :		Depth 1 :	Distance 1 :	Leg 1 :		Depth 2 :	Distance 2 :	Leg 2 :									
Platform :		Depth 1 :	Distance 1 :																		
Leg 1 :		Depth 2 :	Distance 2 :																		
Leg 2 :																					
<table border="1"> <tr> <td>Item Inspected :</td> <td>Description :</td> </tr> <tr> <td>Drawing Refer. :</td> <td>Inspection Num.:</td> </tr> <tr> <td>Inspected Side :</td> <td>Inspected Type :</td> </tr> <tr> <td>Original Spec. :</td> <td>Surface Cond. :</td> </tr> <tr> <td colspan="2">Wall Thickness Readings</td> </tr> <tr> <td>3: 6:</td> <td>9:</td> <td>12:</td> <td>Avg :</td> </tr> <tr> <td>% Loss :</td> <td colspan="3">Photograph No.:</td> </tr> </table>				Item Inspected :	Description :	Drawing Refer. :	Inspection Num.:	Inspected Side :	Inspected Type :	Original Spec. :	Surface Cond. :	Wall Thickness Readings		3: 6:	9:	12:	Avg :	% Loss :	Photograph No.:		
Item Inspected :	Description :																				
Drawing Refer. :	Inspection Num.:																				
Inspected Side :	Inspected Type :																				
Original Spec. :	Surface Cond. :																				
Wall Thickness Readings																					
3: 6:	9:	12:	Avg :																		
% Loss :	Photograph No.:																				
COMMENTS																					

**SCREEN NAME** - PLWORKPL  
**SYSTEM** - PLATFORM  
**TITLE** - PLATFORM INSPECTION LOG  
**VERSION NO.** - Alpha test: 0.0.1 - (920618)

SCREEN DEFINITIONS

Platform : Start Date : End Date :  
              Insp. No. : Insp. Cat. :

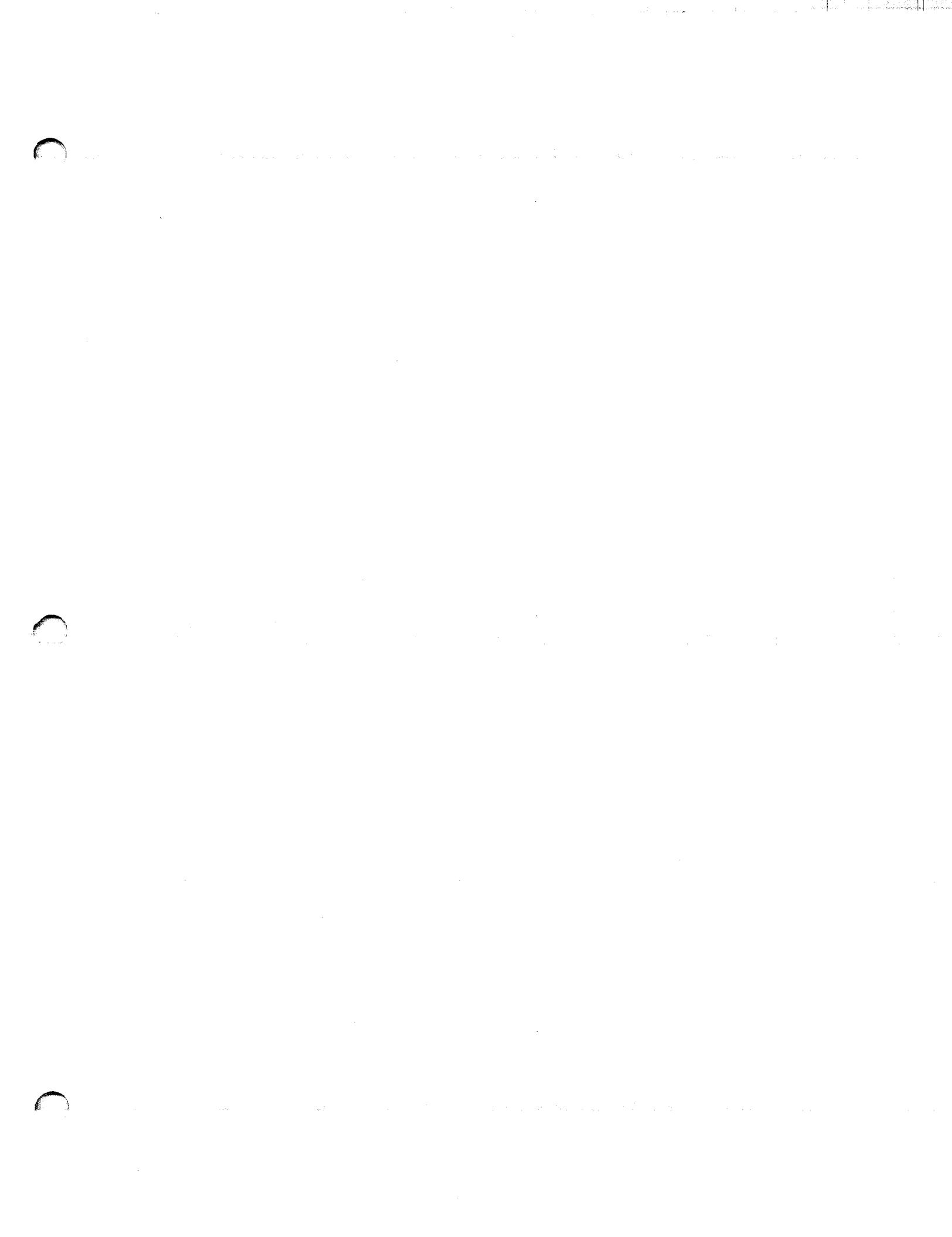
Contractor : Dive Type :  
Vessel 1 : Company Rep :

Ink Type : Perm. Magnet:

Generator : Light Source:

COMMENTS

SCREEN DEFINITIONS																												
SCREEN NAME : WORKPIPE	Pipeline Subsea																											
SYSTEM : PIPELINE	INSPECTION RECORDS																											
TITLE : PIPELINE																												
VERSION NO. : Alpha test:: 0.0.1 - (920618)																												
<table border="1"> <tr> <td>Inspection Number :</td> <td>From :</td> <td>To :</td> </tr> <tr> <td>Type of Work :</td> <td colspan="2">Contractor :</td> </tr> <tr> <td>Diving Vessel ]</td> <td colspan="2">Divers :</td> </tr> <tr> <td>ROV Type &amp; Ser. No.:</td> <td colspan="2"></td> </tr> <tr> <td>CP Equipment :</td> <td colspan="2">Contractor :</td> </tr> <tr> <td>Surface Nav. :</td> <td colspan="2"></td> </tr> <tr> <td>Pipe Tracker :</td> <td colspan="2">Profiler :</td> </tr> <tr> <td>Wall Thick. Equip. :</td> <td colspan="2">Pipe length :</td> </tr> <tr> <td>Cost of Contract :</td> <td colspan="2">No. of Pipelines:</td> </tr> </table>		Inspection Number :	From :	To :	Type of Work :	Contractor :		Diving Vessel ]	Divers :		ROV Type & Ser. No.:			CP Equipment :	Contractor :		Surface Nav. :			Pipe Tracker :	Profiler :		Wall Thick. Equip. :	Pipe length :		Cost of Contract :	No. of Pipelines:	
Inspection Number :	From :	To :																										
Type of Work :	Contractor :																											
Diving Vessel ]	Divers :																											
ROV Type & Ser. No.:																												
CP Equipment :	Contractor :																											
Surface Nav. :																												
Pipe Tracker :	Profiler :																											
Wall Thick. Equip. :	Pipe length :																											
Cost of Contract :	No. of Pipelines:																											
COMMENTS																												



CATRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE - ANODES - COMPONENTS - A	MENU CHOICE	MENU OUTCOME
ADDITIONAL DETAILS			
1	Associated Component	ASS_OBJ	
2	Anode Inspection	PI_ANOD_I	

VERSION : Alpha test: 0.0.1 - (920618)

DATE : 06/30/92

CATRS MENU DESCRIPTIONS				
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE SUBSEA - PIPELINE CROSSING - COMPONENTS - C	MENU CHOICE	MENU OUTCOME	ADDITIONAL DETAILS
		1 Span Components	PI_SPAN_0	
		2 Support Structure Components	PI_SUPP_0	
		3 Pipeline Crossing Inspection	PI_CROS_1	

VERSION : Alpha test: 0.0.1 - (920618)

DATE : 06/30/92

CAIRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE SUBSEA - DEBRIS - COMPONENTS - D	ADDITIONAL DETAILS	
MENU NUMBER	MENU CHOICE	MENU OUTCOME	
1	Associated Component	ASS_OBJ	
2	Debris Inspection	PI_DEBR_I	

VERSION : Alpha test: 0.0.1 - (920618)

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CATRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE - SUBSEA - PHYSICAL DAMAGE - COMPONENTS - H	ADDITIONAL DETAILS	
MENU NUMBER	MENU CHOICE	MENU OUTCOME	
1	Associated Component	ASS_OBJ	
2	Physical Damage Inspection	PI_PDAM_I	

VERSTON : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

CATRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER	PIPELINE SUBSEA	ADDITIONAL DETAILS	
MENU FOOTER	- INSPECTED ITEMS		
SIGNATURE	- I		
MENU NUMBER	MENU CHOICE	MENU OUTCOME	
1	Associated Component	ASS_OBJ	
2	Item Inspection	PI_ITEM_1	

VERSION : Alpha test: 0.0.1 - (920618)  
 DATE : 06/30/92

CAIRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	PIPELINE SUBSEA - COATING DAMAGE - COMPONENTS - 0	ADDITIONAL DETAILS	
MENU NUMBER	MENU CHOICE	MENU OUTCOME	
1	Associated Component	ASS_OBJ	
2	Coating Damage Inspection	PI_CDAM_I	

VERSION : Alpha test: 0.0.1 - (920618)

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CAIRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	PIPELINE SUBSEA - SPANS DATA - COMPONENTS - P	ADDITIONAL DETAILS	
MENU NUMBER	MENU CHOICE	MENU OUTCOME	
1	Associated Component	ASS_OBJ	
2	Span Inspection	PI_SPAN_I	

VERSION : Alpha test: 0.0.1 - (920618)

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CATRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE SUBSEA - SUPPORTING STRUCTURES - COMPONENTS - S	ADDITIONAL DETAILS	
MENU NUMBER	MENU CHOICE	MENU OUTCOME	
1	Associated Component	ASS_OBJ	
2	Support Structure Inspection	PI_SUPP_I	

VERSION : Alpha test: 0.0.1 - (920618)

DATE : 06/30/92

CATRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE SUBSEA - ANODES - INSPECTION - a	MENU CHOICE	MENU OUTCOME
NUMBER			ADDITIONAL DETAILS
1	Associated Component	ASS_OBJ	
2	Anode Components	PI_ANOD_0	
3	Stab Readings	PI_STAB_I	
4	Photolog Entries	PI_PHOT_I	
5	Videolog Entries	PI_VIDEO_I	
6	General Inspection Comments	PI_COMM_I	

VERSION : Alpha test: 0.0.1 - (920618)

DATE : 06/30/92

CAIRS MENU DESCRIPTIONS					
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE SUBSEA - PIPELINE CROSSING - INSPECTION - C	MENU NUMBER	MENU CHOICE	MENU OUTCOME	ADDITIONAL DETAILS
1	Pipeline Crossings Components		PI_CROS_0		
2	Span Inspection		PI_SPAN_I		
3	Support Structure Inspection		PI_SUPP_I		
4	Exposure Readings		PI_EXPO_I		
5	Stab Readings		PI_STAB_I		
6	Photolog Entries		PI_PHOT_I		
7	Videolog Entries		PI_VIDE_I		
8	General Inspection Comments		PI_COMM_I		

VERSION : Alpha test: 0.0.1 - (920618)

DATE : 06/30/92

CAIRS MENU DESCRIPTIONS					
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE SUBSEA - DEBRIS - INSPECTION - q	MENU NUMBER	MENU CHOICE	MENU OUTCOME	ADDITIONAL DETAILS
1	Associated Component		ASS_OBJ		
2	Debris Components		PI_DEBR_0		
3	Photo Log Entries		PI_PHOTO_I		
4	Video Log Entries		PI_VIDEO_I		
5	General Inspection Comments		PI_COMM_I		

VERSION : Alpha test: 0.0.1 - (920618)

DATE : 06/30/92

CAIRS MENU DESCRIPTIONS				
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE SUBSEA - EXPOSURE READINGS - INSPECTION - e	MENU CHOICE	MENU OUTCOME	ADDITIONAL DETAILS
MENU NUMBER				
1	Associated Component	ASS_OBJ		
2	General Inspection Comments	PI_COMM_I		

VERSION : Alpha test: 0.0.1 - (920618)

DATE : 06/30/92

CAIRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE SUBSEA - PHOTOGRAPHIC LOG - INSPECTION - g	ADDITIONAL DETAILS	
MENU NUMBER	MENU CHOICE	MENU OUTCOME	
1	Associated Component	ASS_OBJ	
2	General Inspection Comments	PI_COMM_I	

VERSION : Alpha test: 0.0.1 - (920618)

DATE : 06/30/92

CAIRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	PIPELINE SUBSEA - PHYSICAL DAMAGE - INSPECTION - h	MENU CHOICE	MENU OUTCOME
ADDITIONAL DETAILS			
1	Associated Component	ASS_OBJ	
2	Physical Damage Components	PI_PDAM_0	
3	Stab Readings	PI_STAB_I	
4	Photolog Entries	PI_PHOT_I	
5	Videolog Entries	PI_VIDEO_I	
6	General Inspection Comments	PI_COMM_I	

VERSION : Alpha test: 0.0.1 - (920618)

DATE : 06/30/92

CAIRS MENU DESCRIPTIONS			
MENU NUMBER	MENU CHOICE	MENU OUTCOME	ADDITIONAL DETAILS
1	Associated Component	ASS_OBJ	
2	Inspectable Item Components	PI_ITEM_0	
3	Stab Readings	PI_STAB_I	
4	Photolog Entries	PI_PHOTO_I	
5	Videolog Entries	PI_VIDEO_I	

VERSION : Alpha test: 0.0.1 - (920618)

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CAIRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE SUBSEA - GENERAL COMMENTS - INSPECTION - m	ADDITIONAL DETAILS	
MENU NUMBER	MENU CHOICE	MENU OUTCOME	
1	Associated Component	ASS_OBJ	

VERSION : Alpha test: 0.0.1 - (920618)

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CATRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE SUBSEA - COATING DAMAGE - INSPECTION - ○	MENU CHOICE	MENU OUTCOME
ADDITIONAL DETAILS			
1	Associated Component	ASS_OBJ	
2	Coating Damage Components	PI_CDAM_0	
3	Stab Readings	PI_STAB_I	
4	PhotoLog Entries	PI_PHOTO_I	
5	VideoLog Entries	PI_VIDEO_I	
6	General Inspection Comments	PI_COMM_I	

VERSION : Alpha test: 0.0.1 - (920618)

DATE : 06/30/92

CAIRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE SUBSEA - SPANS DATA - INSPECTION - P	ADDITIONAL DETAILS	
MENU NUMBER	MENU CHOICE	MENU OUTCOME	
1	Associated Component	ASS_OBJ	
2	Span Components	PI_SPAN_0	
3	Stab Readings	PI_STAB_I	
4	PhotoLog Entries	PI_PHOTO_I	
5	VideoLog Entries	PI_VIDEO_I	
6	General Inspection Comments	PI_COMM_I	

VERSION : Alpha test: 0.0.1 - (920618)

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CAIRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER SIGNATURE	- PIPELINE SUBSEA - CATHODIC PROTECTION READINGS - INSPECTION - r	ADDITIONAL DETAILS	
MENU NUMBER	MENU CHOICE	MENU OUTCOME	
1	General Inspection Comments	PI_COMM_I	

VERSION : Alpha test: 0.0.1 - (920618)

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CAIRS MENU DESCRIPTIONS				
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE SUBSEA - SUPPORTING STRUCTURES - INSPECTION - S	MENU CHOICE	MENU OUTCOME	ADDITIONAL DETAILS
MENU NUMBER				
1	Associated Component	ASS_OBJ		
2	Support Structure Components	PI_SUPP_0		
3	Photolog Entries	PI_PHOTO_I		
4	Videolog Entries	PI_VIDEO_I		
5	General Inspection Comments	PI_COMM_I		

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CAIRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	PIPELINE SUBSEA		
NUMBER	MENU CHOICE	MENU OUTCOME	ADDITIONAL DETAILS
1	Associated Component	ASS_OBJ	
2	General Inspection Comments	PI_COMM_1	

VERSION : Alpha test: 0.0.1 - (920618)

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CAIRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE SUBSEA - VIDEO LOG - INSPECTION - v	ADDITIONAL DETAILS	
MENU NUMBER	MENU CHOICE	MENU OUTCOME	
1	Associated Component	ASS_OBJ	
2	General Inspection Comments	PI_COMM_I	

VERSION : Alpha test: 0.0.1 - (920618)

DATE : 06/30/92

CAIRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER	- PIPELINE SUBSEA	ADDITIONAL DETAILS	
MENU NUMBER	MENU CHOICE	MENU OUTCOME	
1	Inspection History	WORKPLST	
2	Master Component Inventory	PI_MAST_0	
3	Component Log	PIOBJMEN	
4	Inspection Results	PIINSPMEN	
5	Data Maintenance		

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DATE : 06/30/92

CAIRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE SUBSEA - COMPONENT LOG MENU - β	MENU CHOICE	MENU OUTCOME
NUMBER			ADDITIONAL DETAILS
1	Span Components	PI_SPAN_0	
2	Support Structure Components	PI_SUPP_0	
3	Anode Components	PI_ANOD_0	
4	Pipeline Crossings Components	PI_CROS_0	
5	Debris Components	PI_DEBR_0	
6	Physical Damage Components	PI_PDAM_0	
7	Inspectable Item Components	PI_ITEM_0	
8	Coating Damage Components	PI_CDAM_0	

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CAIRS MENU DESCRIPTIONS				
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	Pipeline Subsea Inspection Results Menu	MENU CHOICE	MENU OUTCOME	ADDITIONAL DETAILS
Menu Number				
1	CP Survey	PI_CPSU_I		
2	CP Calibration	PI_CPCALIB		
3	Anode Inspection	PI_ANOD_I		
4	Pipeline Crossing Inspection	PI_CROS_I		
5	Debris Inspection	PI_DEBR_I		
6	Physical Damage Inspection	PI_PDAM_I		
7	Item Inspection	PI_ITEM_I		
8	Coating Damage Inspection	PI_CDAM_I		
9	Span Inspection	PI_SPAN_I		
10	Support Structure Inspection	PI_SUPP_I		
11	Exposure Readings	PI_EXPO_I		
12	Stab Readings	PI_STAB_I		
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CAIRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER	- PIPELINE SUBSEA	- INSPECTION RESULTS MENU	
MENU FOOTER	-	-	
SIGNATURE	-	-	
		ADDITIONAL DETAILS	
MENU NUMBER	MENU CHOICE	MENU OUTCOME	
13	Photolog Entries	PI_PHOTO_I	
14	VideoLog Entries	PI_VIDEO_I	
15	General Inspection Comments	PI_COMM_I	

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CAIRS MENU DESCRIPTIONS			
SYSTEM MENU HEADER MENU FOOTER SIGNATURE	- PIPELINE SUBSEA - PIPELINE DATA MAINTENANCE - π	MENU CHOICE	ADDITIONAL DETAILS MENU OUTCOME
MENU NUMBER			
1	Selective Backup		
2	Data Import		
3	Data Export		
4	System Regeneration		

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